

DEMOCRATIC SOCIALIST REPUBLIC OF SRI LANKA
MINISTRY OF HEALTH, NUTRITION & INDIGENOUS MEDICINE

INSTALLATION OF CCTV SYSTEM
General Hospital (Teaching) - Peradeniya
BIDDING DOCUMENT

Volume II

Invitation for Bids

- Section 04 - Form of Bid and Qualification Information**
Section 05 - Bidding Data and Contract Data
Section 07 - Bill of Quantities

Contractor

CONSULTANT

CENTRAL ENGINEERING CONSULTANCY BUREAU
415, BAUDDHALOKA MAWATHA,
COLOMBO 07.

CLIENT

MINISTRY OF HEALTH, NUTRITION & INDIGENOUS MEDICINE
“SUWASIRIPAYA “
385, REV BADDEGAMA WIMLAWANSA THERO
MAWATHA

COLOMBO 10

CONTENTS

SECTION 04 - FORM OF BID AND QUALIFICATION INFORMATION.....6

SECTION 05 - BIDDING DATA AND CONTRACT DATA10

SECTION 07 - BILL OF QUANTITIES18

INVITATION FOR BIDS

INVITATION FOR BIDS (IFB)

1. The **Director, General Hospital (Teaching), Peradeniya** on behalf of the **Tender Board** will receive sealed Bids for the **CCTV System for General Hospital (Teaching), Peradeniya** as described below and estimated to cost~ 10.8 million (Basic cost)
2. Work consists of Installation of CCTV System etc. (refer BOQ)

Construction period is **90 days (Calendar dates)**

3. Bidding will be conducted through National Competitive Bidding Procedure.
4. To be eligible for contract award, the successful bidder shall not have been blacklisted and shall meet the following requirements.

4(a) The contractor should have installed CCTV systems of similar capacity in at least three locations around Sri Lanka.

4(b) contractor should submit completion certificate and performance certificate in the technical bid

4(c) Average annual volume of Construction works performed in the last five years shall be at least **Rs.15 million.**

4d) As the estimate cost for the procurement exceeds the Rs.5 million the bidder shall register at the registrar of Public Contract Sri Lanka at the time of submission of bids (PCA 3) and forward the certificate

5. Interested bidders may obtain further information from **Director, General Hospital (Teaching), Peradeniya for CCTV System**, and inspect the bidding documents at the address given below from 2024.02.08 until 2024.02.28 from 09.30 hrs to 14.30 hrs. and on 2024.02.29 from 09.30 hrs to 10.30 hrs
2. A Complete set of Bidding Documents in English language may be purchased by interested bidders on the submission of a written application to **Director, General Hospital (Teaching), Peradeniya for CCTV System** from 2024.02.08 until 2024.02.28 from 09.30 hrs to 14.30 hrs. and on 2024.02.29 from 09.30 hrs to 10.30 hrs or download the bidding document from below web site upon payment of a non-refundable fee of Rs. 5,000.00

www.peradeniya-hospital.health.gov.lk

6. Sealed bids shall be delivered in duplicate marking as the **Original** and the **Copy** to the **address below**, on or before 10.30 hrs. on 2024.02.29 Late bids will be rejected. Bids will be opened soon after closing in the presence of the Bidders or Bidder's representatives who choose to attend.
7. Bid validity shall be 91 days from the date for closing of Bids.
8. All bids shall be accompanied by a "Bid security" of **Rupees One Hundred Thousand only (Rs. 100,000.00)**. Validity of Bid security shall be 119 days from the date of closing of the bid (including cloaing date of bid).

Securities and guarantees issued by an agency acceptable to employer using the forms for bid security (unconditional guarantee) included in section 09, Standard forms.

- *Commercial Bank operating in Sri Lanka approved by the Central Bank of Sri Lanka.*
- and*
- *Construction Guarantee Fund.*

The address referred to above is,

Chairman,
Regional Procurement committee,
Teaching Hospital
Peradeniya,
Tel 081 - 3990312

Section - 4

**FORM OF BID AND QUALIFICATION
INFORMATION**

FORM OF BID

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

Gentleman,

1. Having examined the Standard Bidding Document - Procurement of Works (ICTAD/SBD/01-Second edition, January 2007 and Addendum 01 issued in October 2009 & Addendum 02 issued in February 2011) , Schedule for Conditions of Contract, Specifications, Drawings and Bill of Quantities and Addenda for the execution of the above-named Works, we the undersigned, offer to execute and complete such Works and remedy any defect therein in conformity with the aforesaid Conditions of Contract, Specifications, Drawings, Bill of Quantities and Addenda for the sum of Sri Lankan Rupees (LKR Rs.) or such other sums as may be ascertained in accordance with the said Conditions.
2. We acknowledge that the Contract Data forms part of our Bid.
3. We undertake, if our Bid is accepted, to commence the Works as stipulated in the Contract Data, and to complete the whole of the Works comprised in the Contract within the time stated in the Contract Data.
4. We agree to abide by this Bid for the period of 91 days from the date fixed for receiving 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.
6. We understand that you are not bound to accept the lowest of any Bid you may receive.

Dated this..... Day of 2024 in the capacity of..... Duly authorized to sign bids for and on behalf of

.....

(IN BLOCK CAPITAL)

Signature :
Address :
.....
.....
Witness :
.....

QUALIFICATION INFORMATION

(To be completed and submitted by the Bidder with the Bid)

The contractor should have installed CCTV systems of similar capacity in at least three locations around Sri Lanka	contractor should submit completion certificate and performance certificate
ICTAD Registration	<i>(Attach copies of relevant pages from the registration book)</i>
Registration number	
Grade	
Specialty	
Expiry Date	
Blacklisted Contractors	
Have you been declared as a defaulted contractor by NPA or any other agency? (Yes/No)	
If yes provide details	
VAT Registration Number	
Legal status	<i>(Attach relevant status copies, as annex)</i>
Value of similar works completed in last 5 years (Indicate only three largest projects)	1. Value Rs..... Year 2. Value Rs..... Year 3. Value Rs..... Year (Attach certified copies of Letter of award & certificate of completion)

Qualification and experience of key staff - Site & Head Office (Permanent, Contract Basis & Consultants)	<p>(Attach certified copies of certificates)</p> <p>Managerial / Technical:</p> <ol style="list-style-type: none"> 1. Technical Assistant- Electrical (Full time at site)- NVQ 5 or equivalent with minimum five years experience 2. Electrical Engineer/ Mechanical Engineer (Periodical visits)– Qualification; (Degree in BSc Engineering, Minimum with three years experience)
<p>As the estimate cost for the procurement exceeds the Rs.5 Million the bidder shall register at the registrar of Public Contract Sri Lanka at the time of submission of bids (PCA 3) and forward the certificate</p>	

Section - 5

BIDDING DATA AND CONTRACT DATA

G. BIDDING DATA

Instructions to Bidders

Clause Reference (1.1)

The Employer is
Name: **Director**
Address: **General Hospital (Teaching), Peradeniya.**

Work consists installation of **CCTV System for General Hospital (Teaching), Peradeniya**

For more information, please refer the Bill of Quantities.

(1.2)

Intended Completion Date is **90 Days** from the Start Date.

(1.3)

The office for collection of bid form is
Director
General Hospital (Teaching),
Peradeniya

The non-refundable Bid fee is **Rupees 5,000.00**
The Bid forms will be issued **until 10.30 hrs. on 2024.02.29**

(2.1)

The source of funds is

(4.3)

- The Following information shall be provided in Section 4 for the bidder
- CIDA Registration
 - Registration number:
 - Grade
 - Specialty
 - Expiry Date
- The contractor should have installed CCTV systems of similar capacity in at least three locations around Sri Lanka and **contractor should submit completion certificate and performance certificate**
- VAT Registration number
- Construction program
- Legal status (Sole proprietor, partnership, company etc.)
- Total monetary value of construction work performed for each of the last five years;
- Experience in works of a similar nature and size for each of last five years;
- Major items of construction equipment proposed to carry out the contract; (if specified equipment be needed)
- Qualifications and experience of key site management and technical personnel proposed for the contract
- As the estimate cost for the procurement exceeds the **Rs.5 Million** the bidder shall register at the registrar of Public Contract Sri Lanka at the time of submission of bids (PCA 3) and forward the certificate

(4.4)

Post qualification criteria:

The following minimum qualification criteria shall be met by the bidder to qualify for the award of contract.

- Average annual volume of construction work performed in the last five years shall be at least **Rs. 15 Million**.
- Experience in the construction of at least two contract of a nature and complexity equivalent to the Works over five years.
- Minimum persons with qualifications and experience.

Managerial / Technical

Minimum persons with qualifications and experience to be defined,

- Technical Assistant- Electrical (Full time at site)- NVQ 5 or equivalent with minimum five years' experience.
- Electrical Engineer/ Mechanical Engineer (Periodical visits) (Degree in BSc Engineering, Minimum with three years' experience)

(8.1)

Content of Bidding Document

Content of the bidding document changed as follows to fulfill bidder's requirement in submission of Bid.

The Bidding document comprise the documents listed below

Invitation for Bids

Section 1 – Instruction to Bidders

Section 2 - Standard Forms (Contract)

Section 3 - Condition of Contract

Section 4 - Form of Bid and Qualification Information

Section 5 - Bidding Data and Contract Data

Section 6 - Specifications

Section 7 - Bills of Quantities and Technical Schedules

Section 8 - Drawings

Section 9 - Standard Forms (Bid)

(9.1)

Employer's address for the purpose of clarification is;

Name : **Director**

Address : **General Hospital (Teaching),
Peradeniya.**

Tel :

- (11.1) The language of the bidding document shall be English.
- (12.1) The Bid submitted by the bidder shall comprise the following:
- (A) enclosed in the envelope marked as “ORIGINAL”;
- (a) Bidding Document
- (b) Bid security or Bid-Securing Declaration as specified
- (B) enclosed in the envelop marked as “COPY”
- (a) Form of Bid & qualification information
- (b) Bill of Quantities
- (13.3) **Only VAT will be paid.**
VAT component shall not be included in the rates. The amount written in the Form of Bid shall be without VAT. However, VAT component shall be shown separately at the end of the BOQ.
- (13.4) The Contract is **not subjected** to price adjustment in accordance with Clause 47 of the Conditions of Contract.
- (15.1) The Bid shall be valid up to 91 Days from closing date of Bid.
- (16.1) Bid shall include a Bid Security using the form included in Section 9.
- (16.2) Bid Security shall be;
- For an amount **Rs. 100,000.00.**
 - Valid until 119 days from closing date of Bid. (Date:.....)
- Securities and guarantees issued by an agency acceptable to employer using the forms for bid security (unconditional guarantee) included in section 09, Standard forms.
- Commercial Bank operating in Sri Lanka approved by the Central Bank of Sri Lanka.
 - Constructions Guarantee Fund
- (17.0) Pre Bid meeting will be held at **conference room of the General Hospital (Teaching), Peradeniya**.at 10.30 hrs on 2024.02.16
- (19.2) a The Employer’s address for the purpose of Bid submission is:
- Chairman,
Regional Procurement committee,
Teaching Hospital
Peradeniya,

(19.2) b Contract name: **CCTV System for General Hospital (Teaching), Peradeniya**

Contract No. :

(20.1) The deadline for submission of Bids shall be **10.30 hrs on 2024.02.29**

(34.0) The amount of **Performance security is 5% of the Initial Contract Price.**

The form acceptable is sample format which is in Section 2, Standard Forms.

Securities and Guarantees issued by an agency acceptable to employer using the forms for Performance Bond (Unconditional Guarantee- Validity should be 28 days beyond defect liability period) included in Section 2, standard forms. The agencies acceptable to the Employer are

- *Commercial Bank operating in Sri Lanka approved by the Central Bank of Sri Lanka.*
- *Constructions Guarantee Fund*

(35.1) The advance payment security is 20% of the initial Contract price excluding provisional sum.

Securities and guarantees issued by an agency acceptable to employer using the forms for Advance Payment Bond (Unconditional Guarantee -Validity should be 28 days beyond Intended Completion date) included in– Section 2, Standard Forms. The agencies acceptable to the Employer are

- *Commercial Bank operating in Sri Lanka approved by the Central Bank of Sri Lanka.*
- *Constructions Guarantee Fund*

(36.0) At the time of awarding stage of contract, an **Adjudicator** will be jointly appointed by the client and selected bidder.

Appointing Authority is Construction Industry Development Authority (CIDA), “Savsiripaya”, 123, Wijerama Mawatha, Colombo 07.

Fees and types of reimbursable expenses to be paid to the Adjudicator shall be on a case to case basis and shall be shared by the Contractor and the employer.

CONTRACT DATA

(Please note that the Clause nos. given hereunder is that of Conditions of Contract)

(1.1) The Employer is

Name : **Director**

Address : **General Hospital (Teaching), Peradeniya.**

Name of Authorized Representative:

**Director,
General Hospital (Teaching),
Peradeniya**

(1.1) The Engineer is

Name : **The General Manager**

Address : **Central Engineering Consultancy Bureau
: No.415, Bauddhaloka Mawatha,
: Colombo 07.**

Name of Engineer's Representative: **Project Manager (Hospital Consultancy Works)
CECB Office- Digana**

Tel: 0812-376320/Fax: 0812-374228

(1.1) Work consists of **CCTV System for General Hospital (Teaching), Peradeniya**

For more information, please refer the Bill of Quantities.

(1.1) Site is located at General Hospital, Peradeniya

(1.1) The Start Date shall be **fourteen (14) Days** from the Letter of Acceptance.

(8.1) Schedule of other contractors: None

(9.1) Schedule of Key Personnel:

Minimum persons with qualifications and experience to be defined,

Managerial / Technical

- Technical Assistant- Electrical (Full time at site)- NVQ 5 or equivalent with minimum five years' experience

- Electrical Engineer/ Mechanical Engineer (Periodical visits)– Qualification; (Degree in BSc Engineering, Minimum with three years' experience)

(13.1)

The minimum insurance cover shall be:

- (a) The minimum cover for insurance of the Works and of Plant and Material is **110% of the Initial Contract price.**
- The maximum deductible for insurance of Works and of Plant and Material is **5% of initial Contract price.**
- (b) **Contractor's Equipment**
- The minimum cover for loss or damage to Equipment is **"Cost of equipment"**
 - The maximum deductible for insurance of Equipment is **5% of the minimum cover for equipments**
- (c) The minimum cover for insurance of other property (other than the site):
- Five Hundred Thousand
- (d) **The minimum cover for personal injury or death: Third Party & Employer**
- For third party and employees of the Employer and other persons engaged by the Employer in the Works is **Rupees Five Hundred Thousand** per event. Number of events unlimited.
- (13.2) (a) The minimum cover for personnel injury or death- **Contractor's workers and Staff,**
- For the Contractor's workmen is Rs. **500,000.00** per event. Number of events unlimited. This Insurance cover shall be governed as per the workmen compensation Act of Sri Lanka
 - Contractor's employee's other than workmen is Rs. **500,000.00** per event. Number of events unlimited.
- (17.1) The Intended Completion Date for the whole of Works shall be **90 Days from the Start Date.**
- (21.1) The Site Possession Date shall be **Fourteen (14) Days** from Letter of Acceptance.
- (27.1) The Contractor shall submit a realistic Construction Programme for the works within **Seven Days** of delivery of the Letter of Acceptance.
- (27.3) The period between Programme update is **30 Days.** But Contractor shall submit a revised programme whenever the previous programme is inconsistent with actual progress.
- (27.4) The amount to be withheld for late submission of an updated Programme is **2% of Initial Contract Price.**
- (35.1) The Defects Liability Period is **365 Days.**
- (39.2) Engineer may order variations up to a total cumulative bill value including variation not exceeding 110% of initial contract sum

- (40.2) In fixing the appropriate new rates, mark up for overheads & profits shall be limited to maximum of 22% of the “Basic Cost” of such items. The Basic cost means cost of materials, labour and equipments.
In fixing such “Basic cost” the Engineer shall use the rates for labour as given below and prices for materials and equipments shall be used the prevailing market prices.”

Category	Rate (Rs)
Skill Labour	3,500.00
Semi Skilled Labour	2,600.00
Un Skilled Labour	2,500.00

- (47.1) The contract is not subject to the price adjustment.
- (48.1) The retention from each payment shall be **Ten percent** of the certified work done.
The limit of retention shall be **Five percent** of the Initial Contract Price.
- (48.3) Not applicable.
- (49.1) The liquidated damages for the whole of the Works shall be **0.05% of the Initial Contract Price per Day**.
The maximum amount of liquidated damages for the whole of the Works shall be **Ten percent** of the Initial Contract Price.
- (52.1) The **Performance Security shall be Five percent** of the Initial Contract Price.
- (58.1) Schedule of Operating and Maintenance Manuals. – As built drawings and operation manuals shall be submitted within 14 days after completion of each activity
- (60.1) The percentage to apply to the value of the work not completed, representing the Employer’s additional cost for completing the Works, is **Twenty Five percent** of Balance work according to the Initial Contract Price.
- (63.7) The attendance fee payable to the contractor on nominated/specialized sub contract work shall not exceed 8%

Section - 7

BILL OF QUANTITIES

CCTV SYSTEM FOR TEACHING HOSPITAL -PERADENIYA

GENERAL HOSPITAL (TEACHING) - PERADENIYA

BILL OF QUANTITY

ITEM	DESCRIPTION	UNIT	QTY	RATE Rs. Cts.	AMOUNT Rs. Cts.
I	Rates in Bill of Quantities shall include all necessary materials (Cables, conduits, PVC sunk box, bulbs, switches etc.) and labour required to complete the electrical installation to good working order.				
II	Except where specifically stated, all costs associated with provision of all holes, openings, chases, ducts and other builders' work required for installation and make them good, shall be included in the rates.				
III	Where reference is made to certain manufactures' products and items identified by registered trade marks, has been done for the sole purpose of defining and establishing standards of quality and performance and not with the intention of restricting the procurement of material or fitting to a particular manufacturer. However all equipment and material should meet the BS or an equivalent standard.				
IV	Testing and commissioning of the electrical installation is to be carried out by the contractor and inspection report submitted according to the requirements of the power supply Authority.				
V	All the quantities given here are approximated values and Quantities may change with the actual installation at the site.				
VI	All types of fittings, materials, painting and finishes shall be approved by the Engineer prior to installation.				
	Note:- <u>Recommended Brands for CCTV Items</u>				
A	<u>Network Video Recorder (NVRs)</u> Samsung,Bosch, Hikvision or Eq.				
B	<u>CCTV Cameras</u> Samsung,Bosch, Hikvision or Eq.				
C	<u>CAT 6 cables</u> 3M,Beldan, Schneider or Eq.				
	<u>Closed Circuit Television System</u> Supply and installation of CCTV system as per specifications & drawings.				
1.0	<u>Network Video Recorder (NVR)</u> Supplying and Installation of 128-Channel NVR, 16 SATA interfaces, 400 Mbps Incoming/outgoing bandwidth, RAID Enabled, two independent HDMI outputs, Redundancy power supply, and all other accessories as per the specifications.	Nos.	1		

ITEM	DESCRIPTION	UNIT	QTY	RATE Rs. Cts.	AMOUNT Rs. Cts.
2.0	<u>Hard Disk</u> Supplying and Installation of Surveillance Grade 10TB SATA HDD hard disk with all other accessories.	Nos.	8		
4.0	<u>Redundancy Storage</u>				
4.1	Supply and installation of Redundancy Network Storage system of 90TB with required Servers and racks to the	Item			
5.0	<u>Patch Panels</u> (Patch Panels are carried out by the Client)				
6.0	<u>Patch leads</u>				
6.1	1/2m Patch leads - Cat 6, Unshielded	Nos.	72		
	<u>Monitoring Station</u>				
7.0	Supply and installation of Monitoring Station of Intel core i5 , 8GB ram, 4GB VGA card with 2 HDMI outlet 17" LED-LCD Monitor Installed with Video Management Server Software for all the cameras	Nos.	1		
7.2	Supply and installation of 40" Led CCTV Monitor and all other required accessories.	Nos.	2		
7.3	High Speed shielded HDMI Cable - 1080p, 4K 30 Hz, 3D and deep color (3 meter)	Nos.	2		
8.0	<u>Data Rack</u>				
8.1	19" Powder coated with front glass framed, Wall Mountable Enclosure 22u (w x h x d) with Cable Tray, Fan Plate, Louver Plate, 4 Way rack mountable Universal Power Panel, Cable Entry Plate,(M6 Screws, Washers, M6 Cage Nuts) and all other accessories.. (GF-DR-01)	Nos.	1		
8.2	19" Powder coated with front glass framed, Wall Mountable Enclosure 7u (w x h x d) with Cable Tray, Fan Plate, Louver Plate, 4 Way rack mountable Universal Power Panel, Cable Entry Plate,(M6 Screws, Washers, M6 Cage Nuts) and all other accessories.. (DF-DR-3,GF-DR-4,GF-DR-5)	Nos.	3		
9.0	<u>UPS</u>				
9.2	Supply and installation of 2kVA On-Line UPS and all other accessories..	Nos.	3		
10.0	<u>CCTV Camera</u>				
10.1	Supplying and Installation of 4MP,1/3 CCD-2.8mm/4mm /6mm fixed lens , up to 30m IR range (Day /Night) Network Bullet /Doom IP Camera (POE) with IP67/IK10 with fixing bracket, Termination Junction Box and all other required accessories.	Nos.	55		

ITEM	DESCRIPTION	UNIT	QTY	RATE Rs. Cts.	AMOUNT Rs. Cts.
10.2	Supplying and Installation of 6MP,1/2.8 CCD, 2.8mm-12mm Motorized Varifocal lens , up to 60m IR range Outdoor (Day /Night) Network Bullet /Doom IP Camera (POE) IP67/IK10 with fixing bracket, 128MB edge storage chip, Termination Junction Box and all other required accessories.	Nos.	21		
10.3	supply and installation of Media Converter MultiMode Dual LC Fiber to Ethernet RJ45 Converter for 10/100/1000Base-Tx to 1000Base-SX, for out door cameras including all required accessories (fiber splicing, pigtails, fiber patch cords)	Nos.	42		
10.4	OPE Injectors for outdoor cameras	Nos.	21		
10.5	Supply and installation of Camera Mounting Pole made out of 3" Heavy-Duty GI of 3m high including Concrete Base , camera mounting brackets and all other required	Nos.	4		
11.0	<u>Wiring network cameras/Storage/Monitoring Stations For Cameras</u>				
11.1	Supplying and Installation of all necessary cables and accessories (cat 6 data cables, covering materials etc.) for the system.	m	1200		
11.2	Supplying and Installation of OM3, 4Core multimode Gel filled fiber optic cables (50/125 μm) for 21 out door cameras including all accessories for the system (Cost of Splicing ,Pig tails, termination etc.. Shall include to the cost)	m	360		
11.3	Trench work for outdoor camera with underground ducting (cost for 1 m including galvanize GI piping &	m	100		
11.4	Connect CCTV system with the existing Data network	Pro. Sum			60,000.00
12.0	<u>Electrical Wiring</u>				
12.1	Supply and installation of Electrical Wiring system for the CCTV system from closest available Utility connections according to the IET 7671:2018 with all required accessories	Item			
13.0	<u>Testing & Commissioning of CCTV</u> Testing and commissioning the total system and issue test Report to ensure 1 Gbps user end bandwidth and CAT5e/CAT 6 Performance for CU cables and ensure up to 40Gbps user end bandwidth and OM3 performance Fibber cable installed in total Network system	Item			

ITEM	DESCRIPTION	UNIT	QTY	RATE Rs. Cts.	AMOUNT Rs. Cts.
14.0	As Built Drawings Manuals and Technical Catalogues Provide 3 sets (A3 size hard copies) of As-built drawings drawn using AUTOCAD version 2010 or higher for the entire network and a soft copy saved in a compact disk, Provide 3 sets of User Manuals and Technical Catalogues.	Item			
15.0	Maintaining the CCTV System for Three years and train nominated Staff members of client to operate the CCTV System	Item			
(a)	Sub Total I				
(b)	Ddt: Provisional Sum				60,000.00
(c)	Sub Total II				
(d)	Ddt :% Discount				
(e)	Sub Total III				
(f)	Add: Provisional Sum				60,000.00
(g)	Total amount carried to Bid (Excluding VAT)				
(h)	Add : 15% VAT				
(j)	Total Amount with VAT				

Total amount carried to Form of bid in words Rupees (without VAT)

.....

Signature of the Contractor

Witness :-

Address :-

Address :-

Date :-

Date :-