

DEMOCRATIC SOCIALIST REPUBLIC OF SRI LANKA
MINISTRY OF HEALTH, NUTRITION & INDIGENOUS MEDICINE
INSTALLATION OF LED STREET LIGHTS AND
RENOVATION WORKS AT HOSPITAL MAIN
ENTRANCE ROAD
General Hospital (Teaching) – Peradeniya.
BIDDING DOCUMENT

Volume I

Invitation for Bids

- Section 01 - Instructions to Bidders**
Section 02 - Standard Form
Section 03 - Conditions of Contract
Section 04 - Form of Bid and Qualification Information
Section 05 - Schedules
Section 06 - Specifications
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

INVITATION FOR BIDS.....	3
SECTION 01 - INSTRUCTIONS TO BIDDERS	6
SECTION 02 - STANDARD FORMS (CONTRACT)	8
SECTION 03 - CONDITIONS OF CONTRACT.....	14
SECTION 04 - FORM OF BID AND QUALIFICATION INFORMATION.....	16
SECTION 05 - BIDDING DATA AND CONTRACT DATA	19
SECTION 06 - SPECIFICATIONS	27
SECTION 07 - BILL OF QUANTITIES	29
SECTION 08 - DRAWINGS	30
SECTION 09 - STANDARD FORMS (BID).....	31
CHECK LIST FOR BIDDERS.....	33

INVITATION FOR BIDS

INVITATION FOR BIDS (IFB)

1. The Chairman, Regional Procurement committee, Teaching Hospital Peradeniya on behalf of the Teaching Hospital, Peradeniya now invites sealed bids for **Installation of LED Street Lights and Renovation Works at Hospital Main Entrance Road for General Hospital (Teaching), Peradeniya** as described below and estimated to cost~ 11.7 million (Basic cost)
2. Work consists of Site Preparation, External Works, Electrical Works, Miscellaneous Works 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) Contractors having valid registration in Grade **C6 or C5** in the field of Building works under Construction Industry Development Authority (CIDA)/ Former ICTAD.

4(b) Contractor has successfully completed at least two similar projects to this by value and complexity during last five years.

4(c) Average annual volume of Construction works performed in the last five years shall be at least **Rs.30 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 Installation of LED Street Lights and Renovation Works at Hospital Main Entrance Road**, Tel. No. 081 - 3990312 and inspect the bidding documents at the address given below from 2024.10.11 until 2024.10.27 from 09.30 hrs to 14.00 hrs
6. 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 Installation of LED Street Lights and Renovation Works at Hospital Main Entrance Road** from 2024.10.11 until 2024.10.27 from 09.30 hrs to 14.00 hrs. and on 2024.10.28 till 14.00 hrs or download the bidding document from below web site upon payment of a non-refundable fee of Rs. 3,500.00

web site – www.peradeniya-hospital.health.gov.lk

7. Sealed bids shall be delivered in duplicate marking as the **Original** and the **Copy** to the **address below**, on or before 14.00 hrs. on 2024.10.28. 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.
8. Bid validity shall be 77 days from the date for closing of Bids.
9. 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 105 days from the date of closing of the bid (including closing 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 - 01

INSTRUCTIONS TO BIDDERS

INSTRUCTIONS TO BIDDERS

Instructions to Bidders applicable to this contract shall be those given in Section-I of the Standard Bidding Document, Procurement of Works, and ICTAD Publication No. **CIDA/SBD/01, Second Edition, January 2007** with **addenda issued up to February 2011**, published by the Institute for Construction Training and Development (ICTAD),” Savsiripaya”, 123, Wijerama Mawatha, Colombo 7.

This publication will not be issued with the Bidding Document and the Bidder is advised to purchase it from ICTAD.

Instructions to Bidders shall be read in conjunction with the Bidding Data provided under Section-5 of Bidding Document.

Instructions to Bidders will not be a part of the Contract and will cease to have effect once the Contract is signed.

Section - 02

STANDARD FORMS (CONTRACT)

- *Letter of Acceptance*
- *Agreement*
- *Performance Security*
- *Advance Payment Security*

Notes on Standard Forms:

- *Bidders should not complete the Form of Agreement at the time of preparation of bids.*
- *The successful bidder will be required to sign the Form of Agreement after the award of contract.*
- *Any corrections or modifications to the accepted bid resulting from arithmetic corrections, acceptable deviations, or quantity variations in accordance with the requirements of the bidding documents should be incorporated into the Agreement.*
- *The Form of Performance Security and Form of Advance Payment Security should not be completed by the bidders at the time of preparation of bids.*
- *The successful bidder will be required to provide these securities in compliance with the requirements herein or as acceptable to the Employer.*

FORM OF LETTER OF ACCEPTANCE

..... [date]

To:

.....

[Name and address of the Contractor]

This is to notify you that your Bid dated [Insert date] for **Installation of LED Street Lights and Renovation Works at Hospital Main Entrance Road For General Hospital (Teaching), Peradeniya** for the Contract price of Rupees

.....
..... (Rs...../=-)

[Amount in figures and words] as corrected in accordance with Instructions to Bidders and/or modified by a Memorandum of Understanding (if any), is hereby accepted.

The adjudicator shall be appointed by appointing authority.

You are hereby instructed to precede with the execution of the said Works in accordance with the Contract documents.

The start date shall be: (Fill the date as per Conditions of Contract)

The amount Performance Security is: (fill as per Conditions of Contract)

The Performance Security shall be submitted on or before..... (Fill the date as per Conditions of Contract)

Authorized Signature:

Name & title of Signatory:

Name of Agency:

FORM OF AGREEMENT

This AGREEMENT made the [day] of [month] 20.... [Year], between **Installation of LED Street Lights and Renovation Works at Hospital Main Entrance Road for General Hospital (Teaching), Peradeniya.** (Hereinafter called “**the Employer**”), of the one part and [Name and address of the contractor] (hereinafter called “**the Contractor**”), of the other part:

WHEREAS the Employer desires that the Contractor executes **Installation of LED Street Lights and Renovation Works at Hospital Main Entrance Road for General Hospital (Teaching), Peradeniya (Contract No:)** (Hereinafter called “**the Works**”) and the Employer has accepted the Bid by the Contractor for the execution and completion of such Works and remedying of any defects therein.

NOW THIS AGREEMENT WITNESSETH as follows:

1. In this Agreement, Words and expressions shall have the same meanings as are respectively assigned to them in the Conditions of Contract hereinafter referred to, and they shall be deemed to form and be read and construed as part of this Agreement.
2. In consideration of the payments to be made by the Employer to the Contractor as hereinafter mentioned, the Contractor hereby covenants with the Employer to execute and complete the Works and remedy any defects therein, in conformity in all respects with the provisions of the contract.
3. The Employer hereby covenants to pay the contractor in consideration of the execution and completion the works and remedying any defects wherein, the Contract Price or such other sum as may become payable under the provision of the Contract at the times and in the manner prescribed by the contract.

In Witness whereof the parties thereto have caused this Agreement to be executed the day and year aforementioned in accordance with laws of Sri Lanka.

.....
Authorized signature of Contractor
COMMON SEAL

.....
Authorized signature of Employer
COMMON SEAL

In the presence of:
Witnesses:

1. Name and NIC No.....
Signature.....
Address.....
2. Name and NIC No.....
Signature.....
Address.....

FORM OF PERFORMANCE SECURITY

(Unconditional)

..... *[Name and Address of Issuing Branch or office]*

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

Date:

PERFORMANCE GUARANTEE No:.....

We have been informed that *[Name of Contractor]* (Hereinafter called to “**the Contractor**”) has entered into Contract No., dated with you, for the **Installation of LED Street Lights and Renovation Works at Hospital Main Entrance Road for General Hospital (Teaching), Peradeniya (Contract No:)** (Hereinafter called to “**the Contract**”).

Furthermore, we understand that, according to the conditions of the Contract, a performance guarantee is required.

At the request of the Contractor, we
.....*[Name of the Agency]* hereby irrevocably undertake to pay you any sum or sums not exceeding in total an amount of*[amount in figures]*(.....) [*amount in words*], upon receipt by us of your first demand in writing accompanied by a written statement stating that the Contractor is in breach of its obligation(s) under the Contract, without your needing to prove or to show grounds for your demand or the sum specified therein.

This guarantee shall expire, no later than theday of, 20.....*[date, 28 days beyond the Intended Completion Date]* and any demand for payment under it must be received by us at this office on or before that date.

[Signature (s)]

FORM OF ADVANCE PAYMENT SECURITY

.....
[Name, and Address of Issuing Branch or office]

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

Date:

ADVANCE PAYMENT GUARANTEE No. :

We have been informed that [name of contractor] (hereinafter called” the Contractor”) has entered into Contract No. dated with you, for the execution of for the **Installation of LED Street Lights and Renovation Works at Hospital Main Entrance Road for General Hospital (Teaching), Peradeniya (Contract No:)** (Hereinafter called “the Contract”).

Furthermore, we understand that, according to the conditions of the Contract, an advance payment in the sum [Amount in figure] (.....) [Amount in words] is to be made against an advance payment guarantee.

At the request of the contractor, we [name of the agency] hereby irrevocably undertake to pay you any sum or sums not exceeding in total an amount of [amount in figures] (.....) [amount in words] upon receipt by us of your first demand in writing accompanied by a written statement stating that the Contractor is in breach of its obligation in repayment of the advance payment under the Contract.

The maximum amount of this guarantee shall be progressively reduced by the amount of advance payment repaid by the contractor.

This guarantee shall expire on [date, 28 days beyond Intended Completion Date].

Consequently, any demand for payment under this guarantee must be received by us at this office on or before that date.

[Signature (s)]

Section - 03

CONDITIONS OF CONTRACT

Conditions of Contract shall be read in conjunction with the
Contract data in Section 5, which shall take precedence over
the Conditions of Contract

CONDITIONS OF CONTRACT

Conditions of Contract that will be applicable for this Contract shall be that given in Section 3 of the Standard Bidding Document for Procurement of Works, ICTAD Publication No. **CIDA/SBD/01, Second Edition, January 2007 with addenda issued up to February 2011**, published by the Institute for Construction Training and Development (ICTAD) "Savsiripaya", 123, Wijerama Mawatha, Colombo 07.

The above publication will not be issued with the Bidding Document and Bidder is advised to purchase it from ICTAD.

This Conditions of Contract shall be read in conjunction with Contract Data in Section 05 in Bidding Document which shall take precedence over the Conditions of Contract.

Section - 4

**FORM OF BID AND QUALIFICATION
INFORMATION**

FORM OF BID

Name of Contract: **Installation of LED Street Lights and Renovation Works at Hospital Main Entrance Road**

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 77 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)

ICTAD Registration	<i>(Attach copies of relevant pages from the registration book)</i>
Registration number	
Grade (C6 or C5)	
Specialty – (Building)	
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	
Construction Program	<i>(Attach as annex)</i>
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)	(Attach certified copies of certificates) Managerial / Technical: 1. Technical Assistant- Civil (Full time at site)- NVQ 5 or equivalent with minimum five years experience 2. Technical Assistant- Electrical (Full time at site)- NVQ 5 or equivalent with minimum five years experience
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	

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 **Site Preparation, External Works, Electrical Works, Miscellaneous Works.....etc.**

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 3,500.00**
The Bid forms will be issued **until 14.00 hrs. on 2024.10.28**

(2.1) The source of funds is GOSL

(4.2) The registration required for main contractor:
Specialty - Building works
Grade - C6 or C5

- (4.3)**
- The Following information shall be provided in Section 4 for the bidder
 - CIDA Registration
 - Registration number:
 - Grade
 - Specialty
 - Expiry Date
 - 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. 30 million**.
- Experience in the construction of at least two contracts 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 – Civil (Full time at site) – NVQ 5 or equivalent with minimum five years' Experience.
- Technical Assistant – Electrical (Full time at site) – NVQ 5 or equivalent with minimum five 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 77 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 105 days from closing 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.
 - 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 2024.10.22
- (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: **Installation of LED Street Lights and Renovation Works at Hospital Main Entrance Road for General Hospital (Teaching), Peradeniya**
Contract No. :

(20.1) The deadline for submission of Bids shall be **14.00 hrs on 2024.10.28**

(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 **Site Preparation, External Works, Electrical Works, Miscellaneous Works.....etc..**

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- Civil (Full time at site) – NVQ 5 or equivalent with minimum five years Experience.

- Technical Assistant- Electrical (Full time at site) – NVQ 5 or equivalent with minimum five 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 16% 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 - 6
SPECIFICATIONS

GENERAL SPECIFICATIONS

The works under this contract shall be executed in accordance with the specifications given in the following documents issued by the Institute for Construction Training and Development (ICTAD), “Savsiripaya”, Wijerama Mawatha, Colombo-07, as applicable. The specifications given in this document, if any, shall take precedence over the ICTAD documents wherever relevant.

1. Specification for Building Work - Sri Lanka (Vol. I) 3rd Edition (Revised July 2004). ICTAD Publication No. SCA/4 (Vol. 1)
2. Specification for Building Work - Sri Lanka (Vol. 2) Sanitary Installation. 2nd Edition (Revised October 2001). ICTAD Publication No. SCA/4 (Vol. II).
3. Specification for Irrigation and Land Drainage Works - Sri Lanka 2nd Edition (Revised Nov 1999). ICTAD Publication No. SCA/3/1
4. Specification for Water Supply & Sewerage and Storm Water Drainage Works - Sri Lanka 2nd Edition (Revised April 2002). ICTAD Publication No. SCA/3/2.
5. Specification for Reclamation Works - Sri Lanka 2nd Edition (Revised December 1999). ICTAD Publication No. SCA/3/3.
6. Specification for Ground Water Exploration and Exploitation Works - Sri Lanka 2nd Edition (Revised May 1999). ICTAD Publication No. SCA/3/4
7. Specification for Electrical and Mechanical Works associated with Building & Civil Engineering - Sri Lanka. ICTAD Publication No. SCA/8 2nd Edition (Revised August 2000).
8. Specification for Site Investigation for Building Works and Sample Bill of Quantities – 1st Edition (April 1997). ICTAD Publication No. ICTAD/DEV/17

And any other standard specifications approved by the Government.

Eligible bidders are expected to be fully acquainted with the above documents and hence these will not be issued to the bidders with this document.

Bidders may purchase same, if necessary, from ICTAD, “Savsiripaya”, WijeramaMawatha, Colombo 07.

Section - 7

BILL OF QUANTITIES

**INSTALLATION OF LED STREET LIGHTS AND RENOVATION WORKS AT
HOSPITAL MAIN ENTRANCE ROAD
GENERAL HOSPITAL (TEACHING) - PERADENIYA**

SUMMARY

ITEM	DESCRIPTION	AMOUNT Rs. Cts.
A	PRELIMINARIES	
B	SITE PREPERATION	
C	ELECTRICAL WORK	
D	EXTERNAL WORKS	
E	MISCELLANEOUS WORKS	
(a)	Sub Total I	
(b)	Ddt: Provisional Sum	(849,650.00)
(c)	Sub Total II	
(d)	Ddt :% Discount	
(e)	Sub Total III	
(f)	Add: Provisional Sum	849,650.00
(g)	Total amount for Bid	
(h)	Add : 18% VAT	
(j)	Total Amount with VAT	

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

.....

Signature of the Contractor

Witness :-

Address

Address :-

Date

Date :-

**INSTALLATION OF LED STREET LIGHTS AND RENOVATION WORKS AT HOSPITAL MAIN
ENTRANCE ROAD
GENERAL HOSPITAL (TEACHING) - PERADENIYA**

PRELIMINARIES

Note:

- 1 **The Engineer/ Consultant may modify or amended any item , or delete inappropriate item/s or add new item/s , depending on the nature of the proposed work.**
- 2 **Mode of payment are as below.**

Mode of Payment	Category
Reimbursement of actual cost on submission of the relevant document acceptable to the Engineer plus 5% of the actual cost of obtaining the insurance policies and securities.	A
60% on completion of temporary buildings or structures. 30% in equal installments over the contract period and balance 10% on dismantling and removal on completion.	C
Paid on satisfactory completion of the item	D
In equal installments over the contract period.	E
Mode of payment to be mutually agreed between contractor and the employer at the commencement of contract in relation to the program of work.	F
On the completion of work	G

- 3 **The above recommended percentage may be adjusted by the Employer/Consultant to suit the particular project.**
- 4 **The tenderer is advised to visit the site of the proposed work, as it is his responsibility to ascertain the conditions, space governing access to the site, external working space, storage area, status of the adjoining properties etc.**
- 5 **Any preliminary item not listed below but deemed to be included in the tender rates, as no extras would be made.**

Item	Description	Mode of payment Category	Unit	Amount Rs. Cts.
A	<u>PRELIMINARIES</u>			
	Insurance & Securities			
A1	Provisional Sum for providing a Performance Security	A	P.S	23,000.00
A2	Provisional Sum for providing an Advance Payment Security	A	P.S	24,500.00
A3	Provisional Sum for insurance of Works, Machinery & Equipment, Plant, Materials, third party persons & property at site as per the Contract. (All Risk Policy)	A	P.S	25,000.00
A4	Provisional Sum for insurance against accidents and injury to Contractor's personel as per the Contract. (Workmen Compensation)	A	P.S	12,150.00

	Contractor's Facilities			
A5	Allow lump sum for constructing, maintaining, dismantling and removal on completion of the Works, a <u>temporary site office</u> , stores of adequate size including staff rest room and toilets and other facilities for the Contractor's site management staff in accordance with the plans prepared by the Contractor and concurred by the Engineer.	C	Item	
	Setting Out			
A6	Setting out of Works in accordance with drawing and other written information given by Engineer.	F	Item	
	Quality, Standards and Progress			
A7	Allow lump sum for provision of 3 sets of (Hard copies and soft copies) as built drawings of all services, for Engineer's approval.	D	Item	
	Health, Safety & Environment			
A8	Allow lump sum for providing all necessary safety measures to workmen at site conforming to the latest industrial safety regulations and as directed by the Engineer.	E	Item	
A9	Allow lump sum for maintaining the site in a clean and orderly manner at all times and during the entire contract period, demobilization, removal of all rubbish, debris and clearing up site on completion, leaving all in good order and handing over.	G	Item	
	Services & Facilities			
A10	Allow lump sum for supply of water for the works and paying all charges and other expenses in connection with the supply from water mains or any other alternative method of water supply, storage and reticulation.	E	Item	
	Sub Total carried to Grand Summary			

INSTALLATION OF LED STREET LIGHTS AND RENOVATION WORKS AT HOSPITAL MAIN

ENTRANCE ROAD

GENERAL HOSPITAL (TEACHING) - PERADENIYA

Item	Description	Unit	Qty.	Rate (Rs.)	Amount (Rs.)
B	<u>SITE PREPERATION</u>				
	<i>Rates are included for clearing away and dumping / stacking debris within the Hospital Premises as instructed by the Engineer unless stated otherwise. Reusable / serviceable material shall be handed over to the client in formal way. Clearing away debris from the Hospital Premises is paid separately and unless stacked calculate.</i>				
B1	Demolishing Hacking up & clearing debris away of floor concrete inclusive of rendering.	m ²	475		
B2	Cutting existing asphalt layer by asphalt cutter.	m	30		
B3	Earth excavation in leveling site inclusive of haulage up to 30m. Average depth <= 300mm	m ²	475		
B4	Earth excavation in leveling site inclusive of haulage up to 30m. (manual cutting only up to 450m ³) Average depth > 300mm (450mm depth)	m ³	45		
B5	Clearing away debris from hospital premises using tractor/trailer or tipper.	load	1		
Sub Total carried to Summary					
C	<u>ELECTRICAL WORK</u>				
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.				

Item	Description	Unit	Qty.	Rate (Rs.)	Amount (Rs.)
V	Electrical Items (MCB,RCCB etc.) should be of European/Japanese origin or to the BS or equivalent and items without an accredited agent in Sri Lanka shall not be accepted. Guarantee cards(Fans etc.) should be provided from accredited agent before installation.				
VI	All the quantities given here are approximated values and Quantities may change with the actual installation at the site.				
VII	All types of fittings, materials, painting and finishes shall be approved by the Engineer prior to installation.				
VIII	All panel boards and consumer units should have wire numbering and a laminated circuit diagram should be pasted on the inside surface of the door. Note:- <u>Recommended Brands for Electrical Items</u> a <u>Protective items (MCCBs, MCBs, RCCBs & ISOs</u> Schneider,ABB,Hager,Eaton (Moeller) ,Terasaki or Eq. b <u>Electrical Switches & Socket Outlets</u> Orange,ACL,Clipsal(schneider) or Eq.				
c	<u>Light Fittings</u> Japanes, malayasian made or brands approved by the Engineer.				
d	<u>Bulbs (LED)</u> Green,Philips,Osram or Eq.				
e	<u>Cables</u> Kelani,Sierra,ACL or Eq.				
f	<u>PVC Trunking</u> KTK or brands approved by the Engineer.				
	<u>Electrical Distribution System</u>				
C1	Associated work for the getting Electricity connection from existing Panel board in security office room.(Using 30A,1Phase Electricity Connection)	Pro. sum.			50,000.00
	<u>Single Phase Consumer Unit (CU-OUT)</u>	No	1		
C2	Supply and installation of switch gear cubicle made out of (1.5mm thickness) sheet steel (IP54) stove enameled or powder coated for the finish with one coat of primer,surface type steel enclosure to the approval of the engineer with following equipment. 01 No 40A, 2P, Isolator 04 No RCCB, 40A, 30mA, 2P 12 Nos MCBs, 1P (6A-32A)-6kA Earth Bar All internal connections				

Item	Description	Unit	Qty.	Rate (Rs.)	Amount (Rs.)
	Equipment to be to the BS/IEC				
	<u>Cables</u>				
	Supply and installation (with all materials required including conduits and termination) of following cables.				
C3	6 mm ² CU/PVC Earth cable from CU-OUT to Main Earth Electrode.	m	15		
C4	6mm ² , 2C , Cu/PVC/PVC cable from CEB meter to CU-OUT.	m	15		
C5	2.5mm ² 2 Core Cu/PVC/SWA/PVC cables from CU-OUT to Street Lights. (Without cost of Civil work)	m	950		
	<u>Cable management system</u>				
	<u>PVC Casing</u>				
C6	Supplying and installation of 50×25mm PVC Casing as necessary.	m	20		
	<u>Light Fittings</u>				
	Note :-				
	Warranty of all complete LED light fitting must be minimum two years.				
	<u>Street light</u>				
C7	Supply and installation of Decorative type street light with 01 No of 40W LED , minimum flux 5000 lumens and control gear (IP65).Lamp to be installed top of the lamp post 4.5m in height above ground level fabricated out of 3" dia. heavy duty steel pipe and hot dip galvanized incorporated with a door to accomodate 1 No. 20A,2P Isolator and terminals. Rate shall include the cost of construction of the 450mm x 450mm x 450mm reinforced concrete foundation	Nos.	20		
C8	Supply and installation of 1200mm long 20W LED tube bulb, minimum flux 2000 lumens with accessories.(For name board)	Nos	32		
	<u>Light Point Wiring</u>				
C9	Wiring (including supply of all materials) of the above light points using approved type PVC insulated PVC sheathed 1 mm ² copper cable drawn through securely fixed concealed PVC conduit.	Nos	6		
	<u>Inspection and Testing - Electrical installation</u>				
C10	Testing the installation and rectify any defects and submit a certificate by a Chartered Electrical Engineer.(including 1 sets of as built drawing of the electrical distribution system)	Item			
Sub Total carried to Summary					

Item	Description	Unit	Qty.	Rate (Rs.)	Amount (Rs.)
D	<u>EXTERNAL WORKS</u>				
D1	Supplying and spreading river sand in 150 mm layers as specified top & bottom of the underground cable.	m ²	30		
D2	Filling earth and compacting (as approved by Engineer) 150mm layers under floors.	m ³	15		
D3	Trimming , Leveling and Compaction of Original Ground/Subgrade.	m ²	450		
D4	Paving interlock blocks (strength 25N/mm2) rough or smooth , gray colour nominal thickness 80mm with quarry dust bedding including compacting and levelling (Earth levelling and compacting measured separately)	m ²	450		
D5	Lay and Compact Asphalt Premix Usign Paver (Rate include for Cost of premix, Aggregate Transport and premix transport to vbe paid)	m ²	30		
D6	Lay Standard Type Road Kerbs(125mmX900mm) Set on 19mm thick 1:3 Cement Mortar Layer on 150mm X 275mm 1:2:4(19) Concrete Foundation With av. 157mm X 150mm Backing	m	300		
D7	Mixing and placing in position concrete 100mm thick grade 20, nominal mix 1:2:4 (20mm) using a concrete mixer including fuel / operator / handling/vibrator & curing.	m ³	3		
D8	Supplying & fixing 25mm Thick Planks and Struts of Class II Timber as Formwork Rough Finish, in Foundation Etc. Including Removing	m ²	50		
Sub Total carried to Summary					
E	<u>MISCELLANEOUS WORKS</u>				
E1	Supplying & Installation of Safety "CAUTION" Warning Tape (Yellow & Black Barricade Tape) for Danger/Hazardous/Isolating Areas.	P.sum			15,000.00
E2	Allow for unforeseen work during estimating phase which may occure during construction period.	P.sum			700,000.00
Sub Total carried to Summary					715,000.00

Section - 8
DRAWINGS

Section - 9

STANDARD FORMS (BID)

- *Bidders shall submit the completed Form of Bid Security/Bid Securing Declaration as appropriate in compliance with the requirements of the bidding documents.*

FORM OF BID SECURITY

.....
[Insert issuing agency's name and address of issuing branch or office]

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

Date: [Insert (by issuing agency) date]

BID GUARANTEE NO.: [Insert (by issuing agency) number]

We have been informed that *[Insert (by issuing agency) name of the bidder]* (Hereinafter called "**the Bidder**") has submitted to you its bid dated [Insert (by issuing agency) date] (Hereinafter called "**the Bid**") for **Installation of LED Street Lights and Renovation Works at Hospital Main Entrance Road for General Hospital (Teaching), Peradeniya (Contract No:)** under Invitation for Bids No. ("The IFB").

Furthermore, we understand that, according to your conditions, Bids must be supported by a Bid Guarantee.

At the request of the Bidder, we *[Insert name of issuing agency]* hereby irrevocably undertake to pay you any sum or sums not exceeding in total an amount of *[Insert amount on figures]* *[insert amount in words]* upon receipt by us of your first demand in writing accompanied by a written statement stating that the bidder is in breach of its obligation(s) under the bid conditions, because the Bidder:

- (a) has withdrawn its Bid during the period of bid validity specified; or
- (b) does not accept the correction of errors in accordance with the Instructions to Bidders (hereinafter "the ITB"); or
- (c) having been notified of the acceptance of its Bid by the Employer during the period of bid validity, (i) fails to refuse to execute the Contract Form, if required, or (ii) fails to refuse to furnish a Performance Security, in accordance with the ITB.

This Guarantee shall expire:

- (a) if the Bidder is the successful bidder, upon our receipt of copies of the Contract signed by the bidder and the Performance Security issued to you by the Bidder; or
- (b) If the Bidder is not the successful bidder, upon the earlier of
- (c) Our receipt of a copy of your notification to the Bidder that the bidder was unsuccessful, otherwise it will remain in force up to 28 days beyond the validity of the bid. (.....)

Consequently, any demand for payment under this guarantee must be received by us at the office on or before that date.

.....
[Signature of authorized representative(s)]

Check List for Bidders

Bidders are advised to fill the following table:

ITEM	ITB Clause	Yes (tick)	REFERENCE
Form of Bid			
Addressed to the Employer?	18		
Completed?	18		
Signed?	18		
Bid securing Declaration form (if required)			
Properly filled and signed	16		
Bid Security (if required)			
Addressed to the Employer?	16		
Format as required?	16		
Issuing Agency as specified?	16		
Amount and currency as requested?	16		
Validity 28 days beyond the validity of Bid ?	16		
Qualification Information			
All relevant information completed?	4		
Signed?	4		
Addendum			
Contents of the addendum (if any) taken in to account?	10		
BID package			
All the documents given in ITB Clause 12 enclosed in the original and copy?	12		
ITB Clause 19 followed before Sealing the Bid Package?	19		

