



Sri Lanka CERT (Pvt.) Ltd

BIDDING DOCUMENT

**Procurement of Workmanship for Installation of Network
& Electrical Cabling and Other Accessories**

Contract No: CERT/GOSL/WORKS/NCB/2024/13

National Competitive Bidding (NCB)

May, 2024

Volume 1

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Section 01 - Instructions to Bidders

Instructions to Bidders

A General	
1. Scope of Bid	<ul style="list-style-type: none"> ▪ The Employer, as named in the Schedule (Section 06), invites bids for the construction of Works as summarized in the Schedule; ▪ The successful bidder will be expected to commence the Works within 21 days from the issue of the Letter of acceptance and complete the Works within the Completion Period stated in the Schedule.
2. Eligibility	All bidders shall have business registration and similar experience
3. Qualification of the Bidder	All bidders shall provide the information requested in Section 05.
4. Site Visit	<p>The bidder, at the bidder's own responsibility and risk, is encouraged to:</p> <ul style="list-style-type: none"> ▪ visit and examine the Site and its surroundings, where the Works are to be executed; ▪ Obtain all information that may be necessary for preparing the bid. <p>Costs of visiting the Site shall be at the bidder's own expense.</p>
B Bidding Documents	
5. Content of Bidding Documents	<p>Bidding documents consist of two volumes, as stated below:</p> <p><u>Volume 1</u> - (one copy each)</p> <ul style="list-style-type: none"> ▪ Section 01 Instructions to Bidders ▪ Section 02 Standard Forms ▪ Section 03 Conditions of Contract <p><u>Volume 2</u> (one copy each)</p> <ul style="list-style-type: none"> ▪ Section 04 Form for invitation of bids ▪ Section 05 Form of Bid and Qualification Information ▪ Section 06 Schedule (Bidding Data and Contract Data) ▪ Section 07 Bill of Quantities, Technical Specifications and Bidders Compliance ▪ Section 08 Priced Bills of Quantities ▪ Section 09 Drawings

C. Preparation of Bids	
6. Language of Bid	The bid as well as all correspondence and documents relating to the bid exchanged by the bidder and the Employer, shall be written in the English language.
7. Documents Comprising the Bid	<p>The bid submitted by the bidder shall comprise the following:</p> <ul style="list-style-type: none"> (a). Duly filled and signed Form of Bid (in the format indicated in Section 04); (b). Section 06 - Schedule; (c). Section 07 - Specifications; (d). Section 08 - Priced Bills of Quantities; (e). Section 09 - Drawings; (f). Any other information required to be completed and submitted by bidders as specified in the Schedule. (g). The bid must be registered under the Public Contract Act No 3 of 1987 at the registrar of the company's office and submit a PCA3 form accordingly as per the provision made in the said act.
8. Bid Prices	<ul style="list-style-type: none"> ▪ The Contract shall be for the whole Works, as summarized in the Schedule, and based on the priced Bills of Quantities; ▪ The bidder shall fill in rates and prices for all items of the Works described in the Bills of Quantities; ▪ Items for which no rate or price is entered by the bidder will not be paid for by the Employer when executed and shall be deemed covered by the other rates and prices in the Bills of Quantities; ▪ All duties, taxes, and other levies payable by the Contractor under the Contract, or for any other cause, as of the date 14 days prior to the deadline for submission of bids, shall be included in the rates, prices, and total Bid price submitted by the bidder; VAT shall not be included in the rates or prices but shall be specified in the column provided in the BOQ; ▪ Prices shall be quoted by the bidder entirely in Sri Lanka Rupees.
9. Period of Validity of Bids	<ul style="list-style-type: none"> ▪ Bids shall remain valid for the period stipulated in paragraph 7 of the Letter of Invitation (Section 04); ▪ A bid valid for a shorter period shall be rejected by the Employer as non-responsive; ▪ In exceptional circumstances, prior to expiry of the period of validity of bids, the Employer may request that the bidders extend the period of validity for a specified additional period;

	<ul style="list-style-type: none"> ▪ If a Bidder: <ul style="list-style-type: none"> (a) (i) withdraws its bid during the period of bid validity specified above; or (ii) does not accept the correction of errors pursuant to Clause 16 below; or (b) in the case of a successful Bidder, if the Bidder fails: <ul style="list-style-type: none"> (i) to sign the contract; or (ii) to furnish performance security in accordance with Clause 21 below, <p>The Employer may initiate action to disqualify the bidder from qualifying for any future contracts under the Ministry of Technology</p>
<p>10. Format and Signing of Bid</p>	<ul style="list-style-type: none"> ▪ The bidder shall prepare the documents comprising the bid as described in Clause 7 above and signed by a person or persons duly authorized to sign on behalf of the bidder; ▪ The bid shall contain no alterations or additions, except those to comply with instructions issued by the Employer, or as necessary to correct errors made by the bidder, in which case such corrections shall be initialed by the person or persons signing the bid. ▪ The Bidder shall prepare one original of the documents comprising the bid as described in ITB Clause 7 and clearly mark it as “ORIGINAL.” In addition, the Bidder shall submit a copy of the bid and clearly mark it as “COPY.” In the event of any discrepancy between the original and the copy, the original shall prevail.
<p>D. Submission of Bids</p>	
<p>11. Sealing and Marking of Bids</p>	<p>The bidder shall seal the bid in an envelope, which shall be addressed to the Employer at the address provided in the Letter of Invitation (Section 04) and shall also provide the name and address of the bidder, on the envelope, to enable the bid to be returned unopened in case it is declared late.</p>
<p>12. Deadline for Submission of Bids</p>	<p>Bids shall be delivered no later than the time and date specified in the Letter of Invitation (Section 04).</p>
<p>13. Late Bids</p>	<p>Any bid received by the Employer after the deadline for submission of bids will be returned unopened to the bidder.</p>
<p>E. Bid Opening and Evaluation</p>	
<p>14. Bid Opening</p>	<ul style="list-style-type: none"> ▪ The Employer will open the bids, in the presence of the bidders’ representatives who choose to attend at the time and in the place specified in the Letter of Invitation (Section 04); ▪ The bidders’ names, the bid prices, the total amount of each bid, any discounts, and such other details as the Employer may consider appropriate, will be announced by the Employer at the opening.

<p>15. Examination of Bids and Determination of Responsiveness</p>	<ul style="list-style-type: none"> ▪ Prior to the detailed evaluation of bids, the Employer will determine whether each bid: <ul style="list-style-type: none"> a. meets the eligibility criteria; b. has been properly signed; and c. is substantially responsive to the requirements of the bidding documents.
	<ul style="list-style-type: none"> ▪ If a bid is not substantially responsive: <ul style="list-style-type: none"> a. it will be rejected by the Employer; and b. May not subsequently be made responsive by correction or withdrawal of the nonconforming deviation or reservation.
<p>16 Correction of Errors</p>	<ul style="list-style-type: none"> ▪ Bids determined to be substantially responsive will be checked by the Employer for any arithmetical errors; ▪ Errors will be corrected by the Employer as follows: <ul style="list-style-type: none"> (a) where there is a discrepancy between the amount in figures and in words, the amount in words will govern; (b) where there is a discrepancy between the unit rate and the line item total resulting from multiplying the unit rate by the quantity, the unit rate as quoted will govern, unless in the opinion of the Employer there is an obviously gross misplacement of the decimal point in the unit rate, in which case the line item total as quoted will govern, and the unit rate will be corrected; (c) if the total bid price increases or decreases due to corrections made based on the above procedures, the bid price shall be adjusted to the increased or decreased price; (e) if the bidder does not accept the corrected amount of bid, its bid shall be rejected and the Employer may take suitable action in accordance with Clause 9 above.
<p>17. Evaluation and Comparison of Bids</p>	<ul style="list-style-type: none"> ▪ The Employer will evaluate and compare only the bids determined to be substantially responsive according to the tender document; ▪ In evaluating the bids, the Employer will determine for each bid, the Evaluated Bid Price by adjusting the Bid Price as follows: <ul style="list-style-type: none"> (a) making any correction for arithmetical errors; (b) excluding the provision, if any, for contingencies; (c) making an appropriate adjustment for any other acceptable variations or deviations; and (d) making appropriate adjustments to reflect discounts offered. ▪ The Employer reserves the right to accept or reject any variation or deviation.
<p>F. Award of Contract</p>	

18. Award Criteria	<p>Subject to Clause 19, the Employer will award the Contract to the bidder whose bid has been determined to be substantially responsive to the bidding documents and who has offered the lowest evaluated Bid Price, provided that such bidder has been determined to be:</p> <ul style="list-style-type: none"> (a) eligible in accordance with the provisions of Clause 2; and (b) qualified in accordance with the provisions of Sub-Clause 3.
19. Employer's Right to Accept any Bid and to Reject any or all Bids	<p>The Employer reserves the right to:</p> <ul style="list-style-type: none"> (a) accept or reject any bid; (b) cancel the bidding process; (c) reject all bids, at any time prior to the award of Contract, <p>Without thereby incurring any liability to the affected bidder(s).</p>
20. Award and Signing of Agreement	<ul style="list-style-type: none"> ▪ Prior to expiration of the bid validity period, the Employer will notify the successful bidder that its bid has been accepted and stating the Contract Price. ▪ This letter (hereinafter and in the Conditions of Contract called the "Letter of Acceptance") will state the sum that the Employer will pay the Contractor in consideration of the execution, completion, and maintenance of the Works by the Contractor as prescribed by the Contract; ▪ The notification of award will constitute the formation of the Contract.
21. Performance Security	<p>Within 14 Days after receipt of the Letter of Acceptance, the successful bidder shall deliver to the Employer a Performance Security:</p> <ul style="list-style-type: none"> ▪ for an amount equivalent to 5% of the initial Contract Price; and ▪ in the form specified in Section 2, Standard Forms.
22. Adjudicator	<p>Upon request made by either party, the Institute for Construction Training and Development will appoint an Adjudicator.</p>

Section 02 - Standard Forms

Standard Forms

A. FORM OF AGREEMENT

This Agreement made the, between Sri Lanka CERT (Pvt) Ltd , Room 4-112, BMICH, Colombo 07 and

Whereas the Employer desires that the Contractor execute and the Employer has accepted the Bid by the Contractor for the execution and completion of such Works and remedying of any defects therein.

The Employer and the Contractor agree as follows:

1. In this Agreement words and expressions shall have the same meanings as are respectively assigned to them in the Contract hereinafter referred to.
2. In consideration of the payments to be made by the Employer to the Contractor as indicated in this Agreement, 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 therein, the Contract Price or such other sum as may become payable under the provisions of the Contract at the times and in the manner prescribed by the Contract.

In Witness whereof the parties hereto have caused this Agreement to be executed the day and year first before written in accordance with laws of Sri Lanka.

.....

.....

Authorized signature of Contractor

Authorized signature of Employer

Common Seal

Common Seal

In the presence of:

Witnesses:

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

B. FORM OF PERFORMANCE SECURITY

NUMBER :

DATE :

SUM GUARANTEED :

To:[*name of Employer*] (hereinafter called and referred to as “the Employer”)
..... [address of Employer]

WHEREAS [*name and address of Contractor*] (hereinafter called and referred to as “the Contractor) has undertaken, in pursuance of contract No. dated to execute [*Title of Contract*] (hereinafter called and referred to as “the Contract”);

AND WHEREAS it has been stipulated by the Employer in the said Contract that the Contractor shall furnish the Employer with a Guarantee issued by a recognized organization for the sum specified therein as security for compliance with its obligations in accordance with the Contract;

AND WHEREAS we have agreed to give the Contractor such a Guarantee;

NOW THEREFORE we hereby affirm that we are the Guarantor and responsible to you, on behalf of the Contractor, up to a total of Rupees..... [*amount of guarantee*]
..... [*amount in words*], and we undertake to pay the Employer, upon the Employer’s first written demand and without cavil or objection, any sum or sums within the said amount as aforesaid without the Employer’s needing to prove or to show grounds or reasons for the Employer’s demand for the sum specified therein.

We hereby waive the necessity of the Employer’s demanding the said debt from the contractor before presenting us with the demand.

We further agree that no change or addition to or other modification of the terms of the Contract or of the Works to be performed there under or of any of the Contract documents which may be made between the Employer and the Contractor shall in any way release us from any liability under this guarantee, and we hereby waive notice of any such change, addition or modification.

This guarantee shall be valid until a date 28 days from the date of issue of the Taking Over Certificate.

Signature and the Seal of the Guarantor :

Name of the Bank :

Address :

Date:

Witness :

C.: FORMAT FOR BID SECURITY GUARANTEE

[this Bank Guarantee form shall be filled in accordance with the instructions indicated in brackets]

----- [insert issuing agency’s name, and address of issuing branch or office] -----

Beneficiary: The Chief Executive Officer, Sri Lanka CERT, Room No 4-112, BMICH, Colombo 07

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; if a joint venture, list complete legal names of partners] (hereinafter called "the Bidder") has submitted to you its bid dated ----- [insert (by issuing agency) date](hereinafter called "the Bid") for the execution/supply [select appropriately] of [insert name of Contract] under Invitation for Bids No. ----- [insert IFB number] (“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 in 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”) of the IFB; or
- (c) having been notified of the acceptance of its Bid by the Employer/Purchaser during the period of bid validity, (i) fails or refuses to execute the Contract Form, if required, or (ii) fails or refuses to furnish the 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 of the Performance Security issued to you by the Bidder; or (b) if the Bidder is not the successful bidder, upon the earlier of (i) our receipt of a copy of your notification to the Bidder that the Bidder was unsuccessful, otherwise it will remain in force up to ----- (insert date)

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

[signature(s) of authorized representative(s)]

Section 03 - Conditions of Contract

Conditions of Contract

1.0 General Provisions

1.1 Definitions	In the Contract as defined below, the words and expressions defined shall have the following meanings assigned to them, except where the context requires otherwise:	
The Contract	1.1.1	“Contract” means the Contract between the Employer and the Contractor to execute, complete, and maintain the Works. It consists of the documents listed in Clause 1.3.
	1.1.2	“Contract Price” means the amount stated in the Letter of Acceptance and thereafter as adjusted in accordance with provisions of the Contract.
	1.1.3	“Specification” means the specification of the Works included in the Contract and any modification or addition made or approved by the Engineer.
	1.1.4	“Drawings” means the Employer's drawings of the Works, and any Variation to such drawings.
	1.1.5	“Schedule” means the completed pages entitled schedule, which forms part of the conditions of contract.
Persons	1.1.6	“Employer” means the party named in the Schedule, who employs the Contractor to carry out the Works.
	1.1.7	“Contractor” means the person(s) whose Bid to carry out the Works has been accepted by the Employer and named in the Agreement.
	1.1.8	“Engineer” is the person named in the Schedule (or any other competent person appointed by the Employer and notified to the Contractor) who is
		Such person may be an engineer, architect or any other technical person and, in the absence of such appointment, the Employer himself.
Dates, Times and Periods	1.1.9	“Start Date” means the date 14 Days after the issue of Letter of Acceptance or any other date agreed between the Employer and Contractor.
	1.1.10	“Day” means a calendar day.
	1.1.11	“Completion Date” means the date for completion of the Works as stated in the Schedule.
Money and Payments	1.1.12	“Cost” means all expenditure properly incurred (or to be incurred) by the Contractor, whether on or off the Site, including overheads and similar charges, but does not include profit.

Other Definitions	1.1.13	“Contractor’s Equipment” means all apparatus, machinery, vehicles, facilities and other things required for the execution of the Works but does not include Materials or Plant.
	1.1.14	“Materials” means things of all kinds (other than Plant) intended to form or forming part of the permanent works.
	1.1.15	“Plant” means the machinery and apparatus intended to form or forming part of the permanent works.
	1.1.16	“Site” means the place/s provided by the Employer where the Works are to be executed, and any other place/s specified in the Contract as forming part of the Site.
	1.1.17	“Variation” means a change to the Specification and/or Drawings (if any), which is instructed by the Engineer under Sub-Clause 9.1.
	1.1.18	“Works” means all the work to be performed by the Contractor specified in the Schedule including temporary works and any Variation.
1.2 Interpretation	<ul style="list-style-type: none"> ▪ Words importing persons or parties shall include firms and organizations; ▪ Words importing singular or one gender shall include plural or the other gender where the context requires. 	
1.3 Priority of Documents	<ul style="list-style-type: none"> ▪ The documents forming the Contract are to be taken as mutually explanatory of one another; ▪ If an ambiguity or discrepancy is found in the documents, the Engineer shall issue any necessary instructions to the Contractor; ▪ The priority of the documents shall be in accordance with the order as listed below: <ul style="list-style-type: none"> 1. the Contract Agreement. 2. the Letter of Acceptance. 3. the Contractor’s Bid. 4. the Schedule 5. the Conditions of Contract. 6. the Specifications. 7. the Drawings. 8. the Bills of Quantities. 	
1.4 Communications	Communication by any person under the Contract may be written in the official language and/or in English.	

2.0 The Employer

2.1 Provision of Site	The Employer shall provide the Site and right of access to Site before the Start Date.
2.2 Engineer’s Instructions	The Contractor shall comply with all instructions given by the Engineer in respect of the Works including the suspension of all or part of the Works.

3.0 The Engineer

3.1 Engineer's Decisions	Except where otherwise specifically stated, the Engineer will decide contractual matters between the Employer and the Contractor.
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4.0 The Contractor

4.1 General Obligations	<p>The Contractor shall:</p> <ul style="list-style-type: none">▪ carry out the Works properly and in accordance with the Contract;▪ provide all supervision, labour, Materials, Plant and Contractor's Equipment which may be required. <p>All Materials and Plant on Site shall be deemed to be the property of the Employer.</p>
4.2 Contractor's Representative	The Contractor shall submit to the Employer for consent the name and particulars of the person authorized to receive instructions on behalf of the Contractor.
4.3 Subcontracting	<p>The Contractor shall not subcontract:</p> <ul style="list-style-type: none">▪ the whole of the Works;▪ any part of the Works without the consent of the Engineer.
4.4 Performance Security	<p>The Contractor shall deliver to the Employer within 14 Days of the Letter of Acceptance a Performance Security:</p> <ul style="list-style-type: none">▪ from an agency approved by the Employer▪ for an amount equivalent to 5% of the initial Contract Price;▪ in a form approved by the Employer.

5.0 Employer's Liabilities

5.1 Employer's Liabilities	<p>In this Contract, Employer's Liabilities mean:</p> <ul style="list-style-type: none">▪ riot, commotion or disorder by persons other than the Contractor's personnel and other employees, affecting the Site and/or the Works;▪ use or occupation by the Employer of any part of the Works, except as may be specified in the Contract;▪ design of any part of the Works by the Employer's personnel or by others for whom the Employer is responsible;▪ physical obstructions or physical conditions other than climatic conditions, encountered on the Site during the performance of the Works, which obstructions or conditions were not reasonably foreseeable by an experienced contractor and which the Contractor immediately notified to the Employer;▪ any delay or disruption caused by any Variation;
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	<ul style="list-style-type: none"> ▪ Any change to the law of the Contract after the date of the Contractor's offer as stated in the Agreement.
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6.0 Time for Completion

6.1 Execution of the Works	<p>The Contractor shall:</p> <ul style="list-style-type: none"> ▪ commence the Works on or before the Start Date; ▪ proceed expeditiously and without delay; ▪ Complete the Works within the Completion Date.
6.2 Extension of Time	<ul style="list-style-type: none"> ▪ Subject to Clause 9 the Contractor shall be entitled to an extension to the Completion Date if he is or will be delayed by any of the Employer's Liabilities. ▪ On receipt of an application from the Contractor, the Engineer shall: <ul style="list-style-type: none"> ○ consider all supporting details provided by the Contractor; ○ Extend the Intended Completion Date as appropriate.
6.3 Late Completion	<p>If the Contractor fails to complete the Works within the Completion Date, the Contractor's only liability to the Employer for such failure shall be to pay the amount stated in the Schedule for each Day for which he fails to complete the Works.</p>

7.0 Taking Over

7.1 Completion	<p>The Contractor shall notify the Engineer when he considers that the Works are complete.</p>
7.2 Taking-Over Notice	<ul style="list-style-type: none"> ▪ The Engineer shall notify the Contractor when he considers that the Contractor has completed the Works stating the date accordingly; ▪ Alternatively, the Engineer may notify the Contractor that the Works, although not fully complete, are ready for taking over, stating the date accordingly; ▪ The Employer shall take over the Works upon the issue of this notice; ▪ The Contractor shall promptly complete any outstanding work and, subject to Clause 8, clear the Site.

8.0 Remedying Defects

8.1 Remedying Defects	<ul style="list-style-type: none"> ▪ The Engineer may at any time prior to the expiry of the period stated in the Schedule calculated from the date of Taking-Over Notice under Clause 7.2 notify the Contractor of any defects or outstanding work. ▪ The Contractor shall remedy at no cost to the Employer any defects due to the Materials, Plant or workmanship not being in accordance with the Contract. ▪ The cost of remedying defects attributable to any other cause shall be valued as a variation.
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	<ul style="list-style-type: none"> ▪ Failure to remedy any defects or complete outstanding work within a reasonable time of the Engineer's notice shall entitle the Employer to carry out all necessary work at the Contractor's cost.
8.2 Uncovering and Testing	<ul style="list-style-type: none"> ▪ The Engineer may give instruction as to the uncovering and/or testing of any work. ▪ Unless as a result of any uncovering and/or testing it is established that the Materials, Plant or workmanship are not in accordance with the Contract, the Contractor shall be paid for such uncovering and/or testing as a variation in accordance with -Clause 9.1

9.0 Variations and Claims

9.1 Right to Vary	The Engineer may instruct variations.
9.2 Valuation of Variations	<p>Variations shall be valued as follows:</p> <ol style="list-style-type: none"> a) at a lump sum price agreed between the Engineer and the Contractor; b) where appropriate, at rates in the Contract; c) in the absence of appropriate rates, the rates in the Contract shall be used as the basis for valuation, or failing which; d) at appropriate new rates, as may be agreed or which the Engineer considers appropriate.
9.3 Early Warning	<ol style="list-style-type: none"> a. A party shall notify the other as soon as he is aware of any circumstance which may delay or disrupt the Works, or which may give rise to a claim for additional payment. b. The Contractor shall take all reasonable steps to minimize these effects. c. The Contractor's entitlement to extension to the Intended Completion Date or additional payment shall be limited to the time and payment which would have been due if he had given prompt notice and had taken all reasonable steps.
9.4 Right to Claim	<ul style="list-style-type: none"> ▪ If the Contractor incurs Cost as a result of any of the Employer's Liabilities, the Contractor shall be entitled to the amount of such Cost. ▪ If as a result of any of the Employer's Liabilities, it is necessary to change the Works, this shall be dealt with as a Variation.
9.5 Variation and Claim Procedure	<ul style="list-style-type: none"> ▪ The Contractor shall submit to the Engineer an itemized mark-up of the value of variations and claims within 28 Days of the instruction or of the event giving rise to the claim. ▪ The Engineer shall check and if possible agree with the value. In the absence of agreement, the Engineer shall determine the value.

10.0 Contract Price and Payment

10.1 Valuation of the Works	<ul style="list-style-type: none"> ▪ The Contractor shall submit to the Employer a statement showing the value of the work executed. ▪ The Engineer shall check the Contractor's statement and certify the amount to be paid to the Contractor, within 14 Days of the receipt of the Contractor's statement.
10.2 Payments	<ul style="list-style-type: none"> ▪ Within 14 Days of delivery of certificate by the Engineer, the Employer shall pay to the Contractor the amount shown in the certificate less retention stated in the Schedule. ▪ The Employer shall not be bound by any sum previously considered by him to be due to the Contractor;
10.3 Payment of Retention	<p>The retention shall be paid by the Employer to the Contractor within 14 Days after either the:</p> <ul style="list-style-type: none"> ▪ expiry of Defects Notification Period, calculated from the date of Taking-Over Notice under Clause 7.2; or ▪ remedying of notified defects; or ▪ completion of outstanding work, <p>all as referred to in Clause 8, whichever is the later.</p>
10.4 Final Payment	<ul style="list-style-type: none"> ▪ Within 42 Days of the latest of the events listed in Clause 10.3 above, the Contractor shall submit a final account to the Engineer together with any documentation reasonably required to enable the Engineer to ascertain the final contract value; ▪ Within 28 Days after the submission of this final account, the Engineer shall certify the amount due to the Contractor. ▪ If the Engineer disagrees with any part of the Contractor's final account, he shall specify his reasons for disagreement when making certification. ▪ Employer shall pay to the Contractor the amount due, within 21 Days of receipt of the certificate from the Engineer.
10.5 Currency	<p>Payment shall be in Sri Lanka Rupees only.</p>
10.6 Delayed Payment	<ul style="list-style-type: none"> ▪ If the Employer makes a late payment, the Contractor shall be paid interest on the late payment in the next payment. ▪ Interest shall be calculated from the date by which the payment should have been made up to the date when the late payment is made at the prevailing rate of interest of 1% over the lending rate of the Central Bank to Commercial Banks.

<p>10.7 Subsequent Legislature</p>	<p>If, after the date 28 Days prior to the latest date for submission of Bids for the Contract:</p> <ul style="list-style-type: none"> ▪ changes to any Statute, Ordinance, Decree, or other Law or any regulation or by-law of any local or other duly constituted authority; or ▪ introduction of any such State Statute, Ordinance, Decree, Law, regulation or by-law <p>which causes additional or reduced cost to the Contractor, other than under sub-clause 10.7 above, in the execution of the Contract, such additional or reduced cost shall, after due consultation with the Employer and the Contractor, be determined by the Engineer and shall be added to or deducted from the Contract Price and the Engineer shall notify the Contractor accordingly, with a copy to the Employer.</p>
<p>10.8 Advance Payment</p>	<ul style="list-style-type: none"> ▪ The Employer shall make advance payment to the Contractor within 14 Days after the Contractor furnishes an unconditional guarantee; ▪ The amount of advance shall be equivalent to 20% of the Initial Contract Price; ▪ The advance payment shall be repaid by deducting proportionate amounts from payments otherwise due to the Contractor, following the schedule of completed percentages of the Works on a payment basis; ▪ The advance payment shall be repaid in full when the total certified value of work reaches 90% of the Initial Contract Price. ▪ The guarantee shall be from a bank or a company acceptable to the Employer. ▪ The guarantee shall remain effective until the advance payment has been repaid in full.

11.0 Default

<p>11.1 Default by Contractor</p>	<p>The Engineer may give notice referring to this Sub-Clause and stating the default if the Contractor:</p> <ul style="list-style-type: none"> ▪ abandons the Works, ▪ refuses or fails to comply with a valid instruction of the Engineer; ▪ fails to proceed expeditiously and without delay despite a written complaint; or ▪ is in breach of the Contract. <p>If the Contractor has not taken all practicable steps to remedy the default within 14 Days after the Contractor's receipt of the Engineer's notice, the Employer may by issuing a letter within a further 21 Days, terminate the Contract.</p> <p>The Contractor shall then demobilize from the Site leaving behind Materials and Plant and any Contractor's Equipment which the Employer instructs in his letter is to be used until the completion of the Works.</p>
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<p>11.2 Default by Employer</p>	<ul style="list-style-type: none"> ▪ Contractor may give notice to the Employer referring to this Sub-Clause and stating the default; <ul style="list-style-type: none"> ○ if the Employer delayed the payments due to the Contractor for more than 42 Days; or ○ if the Employer is, despite a written complaint, in breach of the Contract; or ○ the Engineer is not carrying out his obligations. ▪ If the default is not remedied within 14 Days after the Employer's receipt of this notice, the Contractor may suspend the execution of all or parts of the Works. ▪ If the default is not remedied within 28 Days after the Employer's receipt of the Contractor's notice, the Contractor may by a second notice given within a further 21 Days, terminate the Contract. ▪ The Contractor shall then demobilize from the Site.
<p>11.3 Payment upon Termination</p>	<p>After termination, the Contractor shall be entitled to payment of the unpaid balance of the value of the Works executed and of the Materials and Plant reasonably delivered to the Site, adjusted by the following:</p> <ul style="list-style-type: none"> a) any sums to which the Contractor is entitled under Sub- Clause 9.4 b) any sums to which the Employer is entitled; c) if the Employer has terminated under Sub-Clause 11.1 or 11.3, the Employer shall be entitled to a sum equivalent to 20% of the value of those parts of the Works not executed at the date of the termination; d) if the Contractor has terminated under Sub-Clause 11.2 or 11.3, the Contractor shall be entitled to the Cost of his suspension and demobilization together with a sum equivalent to 10% of the value of those parts of the Works not executed at the date of termination. <p>The net balance due shall be paid or repaid within 28 days of the notice of termination.</p>

12.0 Risk and Responsibility

<p>12.1 Contractor's Care of the Works</p>	<ul style="list-style-type: none"> ▪ The Contractor shall take full responsibility for the care of the Works from the Start Date until the date of the Engineer's notice under Sub-Clause 7.2. ▪ Responsibility shall then pass to the Employer. ▪ If any loss or damage happens to the Works during the above period, the Contractor shall rectify such loss or damage so that the Works conform to the Contract. ▪ Unless the loss or damage happens as a result of an Employer's Liability, the Contractor shall indemnify the Employer, the Employer's contractors, agents and employees against all loss or damage happening to the Works and against all claims or expense arising out of the Works caused by a breach of the
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	Contract, by negligence or by other default of the Contractor, his agents or employees.
12.2 Force Majeure	<ul style="list-style-type: none"> ▪ If a Party is or will be prevented from performing any of its obligations by Force Majeure, the Party affected shall notify the other Party immediately; ▪ If necessary, the Contractor shall suspend the execution of the Works and, to the extent agreed with the Employer, de-mobilize the Contractor's Equipment; ▪ If the event continues for a period of 84 Days, either Party may then give notice of termination which shall take effect 28 Days after the giving of the notice; ▪ After termination, the Contractor shall be entitled to payment of the unpaid balance of the value of the Works executed and of the Materials and Plant reasonably delivered to the Site, adjusted by the following: <ul style="list-style-type: none"> (a) any sums to which the Contractor is entitled under Sub-Clause 9.4; (b) the Cost of his suspension and demobilization; (c) any sums to which the Employer is entitled. ▪ The net balance due shall be paid or repaid within 28 Days of the notice of termination.

13.0 Resolution of Disputes

13.1 Disputes	<ul style="list-style-type: none"> ▪ If the Contractor believes that a decision taken by the Employer and/or the Engineer was wrongly taken or ultra vires the contract, then as a precedence to Arbitration, the decision of the Employer and/or the Engineer shall be referred to the Adjudicator for mediation within 14 Days of the notification of the Employer's and/or the Engineer's decision.
13.2 Procedure for Disputes	<ul style="list-style-type: none"> ▪ The Adjudicator shall give the outcome of the mediation in writing to the parties within 28 Days of the dispute being referred to him; ▪ The Adjudicator shall be paid by the hour at the rate specified in the Schedule together with reimbursable expenses of the types specified in the Schedule; ▪ the cost of the Adjudicator shall be divided equally between the Employer and the Contractor, irrespective of the findings of the Adjudicator; ▪ Either party may refer the issue/s to Arbitration in accordance with Sub-Clause 13.3 (Arbitration) within 28 Days of the Adjudicator's written communication; ▪ If neither party refers the dispute to arbitration within the above 28 Days, the Adjudicator's written Communication will be final and binding; ▪ The Adjudicator is not required or bound to appear or justify the outcome of the mediation before any arbitral tribunal or a court of justice; ▪ His findings however may be produced by any of the parties at such arbitral or judicial sittings.

13.3 Arbitration

- Any doubt, difference, dispute, controversy or claim arising, out of or in connection with or touching or concerning the execution or maintenance of the works in this contract, or on the interpretation thereof or on the rights, duties, obligations, or liabilities of any of the parties thereto or on the operation, breach termination, abandonment, foreclosure or invalidity thereof, shall be finally settled by arbitration after written notice by either party to the Contract to the other for a decision to a sole arbitrator to be appointed as hereinafter provided.
- The party desiring arbitration shall nominate three arbitrators out of which one to be nominated by the other party within 21 Days of the receipt of the said request. If the other party does not nominate one to serve as Arbitrator within the stipulated period, the party calling for arbitration shall nominate one of the three and inform the other party accordingly.
- The arbitration shall be conducted in accordance with Arbitration Act No. 11 of 1995.
- If the Arbitrator so appointed is unable or unwilling to act or resign the appointment or vacate his office due to any reason whatsoever another Arbitrator shall be appointed in the same manner as mentioned aforesaid.
- The Arbitrator so appointed shall be entitled to determine the rules of procedure to be followed in the Arbitration.
- The Arbitration shall be held in Sri Lanka and the venue if not finalized by the parties, shall be decided by the Arbitrator.

Sri Lanka CERT (Pvt.) Ltd

BIDDING DOCUMENT

**Procurement of Workmanship for Installation of Network
& Electrical Cabling and Other Accessories**

INVITATION FOR BIDS No: CERT/GOSL/WORKS/NCB/2024/13

National Competitive Bidding (NCB)

May, 2024

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Section 04 - Form for Invitation of bids

Procurement of Workmanship for Installation of Network & Electrical Cabling and Other Accessories

Contract No. CERT/GOSL/WORKS/NCB/2024/13

INVITATION FOR BIDS

1. The Chairman, Department Procurement Committee (DPC), on behalf of Sri Lanka CERT (Pvt.) Ltd, now invites sealed Bids from eligible and qualified Bidders for Installation of Network & Electrical Cabling and Other Accessories. Workmanship purchased under this tender will be used for the compliance of ISO/IEC 27001 and ISO/IEC 11801 for Sri Lanka CERT (Pvt) Ltd. Detailed description of schedule of requirements is given in the Bidding Document.
2. Bids must be delivered to the Chief Executive Officer, Sri Lanka CERT, Room: 4-112, BMICH, Colombo 7, **to be received on** or before **1500 Hrs. (3.00 P.M) on June 3, 2024**. Bids will be opened physically in the presence of the bidders' representatives who choose to attend in person at the *same venue* immediately after the closing of Bids.
3. Title and the contract number of the bid should be written on the sealed envelope.
4. Late Bids and Bids sent electronically will not be accepted and will be rejected. Bids should be submitted using the forms attached to this Invitation for Quotation (IFQ);
5. The bid envelop should be marked with the bid name, bid number and bid opening date and time of the bid closing on the top left hand corner of the envelop and name and address of the Bidder on the left hand bottom corner of the envelope.
6. All bidders shall have business registration and similar experience
7. Bids shall be valid for a period of 77 days from the date of deadline for submission of the Bids.
8. Site visit will be arranged on request at **0900 Hrs (9.00AM) on May 20, 2024**.
9. Bid documents will be issued from 13.05.2024 till 03.06.2024 between 9.00am and 5.00pm on working days, upon payment of the non-refundable fee of Rs. 3,500.00, each document submission of approved copy of Business registration request made on their letterhead and "Application to get Bid Documents" available at Sri Lanka CERT, Room 4-112, BMICH, Colombo 07. The mode of payment will be by cash.
10. All Bids must be accompanied by Bid Securities in the form of a Bank Guarantee using the format given with the bidding documents in the amount of Sri Lankan Rupees One Hundred and Fifty Thousand (150,000.00). Bid Security shall be valid up to 30 days beyond the date of Bid validity date. (Form Number)

11. Sri Lanka CERT shall not be responsible for any costs or any expenses incurred by the Bidders in connection with the preparation or delivery of Bids.

Chairman
Department Procurement Committee
Sri Lanka CERT (Pvt.) Ltd,
Room: 4-112, BMICH, Colombo 7, Sri Lanka.

May 13, 2024

Section 05 - Form of Bid and Qualification

Form of Bid

Procurement of Workmanship for Installation of Network & Electrical Cabling and Other Accessories

Contract No. CERT/GOSL/WORKS/NCB/2024/13

To: Chief Executive Officer
Sri Lanka CERT,
Room 4-112, BMICH,
Colombo 07.

1. Having examined the Standard Bidding Documents-Procurement of Works Minor contracts [ICTAD/SBD/03-Second Edition, January 2007] Schedule, Specifications, Drawings and Bills of Quantities and addenda for the execution of the above-named Works, we/I have undersigned, offer to execute and complete such works and remedy any defects therein in conformity with the aforesaid Condition of Contract, Schedule, Specifications, Drawings and Bills of Quantities and addenda for the sum of Sri Lankan Rupees.....(LKR.....) 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/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 Contract Data.

4. We/I agree to abide by this bid for the instructions to Bidders, 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 the 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 thisday of20... in capacity ofduly authorized to sign tenders for and on behalf of

(IN BLOCK CAPITALS)

Signature :

Address :

Witness :

				<table border="1"> <thead> <tr> <th></th> <th>Position</th> <th>Minimum Number of Staff</th> <th>Required Minimum Qualification</th> <th>Required Minimum Experience</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>Project Coordinator</td> <td>1</td> <td>Recognized diploma in ICT or related</td> <td>5 years in managing with similar comple</td> </tr> <tr> <td>2</td> <td>Electrical Engineer</td> <td>1</td> <td>Bachelor's degree (or equivalent) in Electrical engineering or similar.</td> <td>5 years of experience working with projects with similar complexities</td> </tr> <tr> <td>3</td> <td>Electrical Technician</td> <td>2</td> <td>Diploma in Electrical</td> <td>5 years of experience working with projects with similar complexities</td> </tr> <tr> <td>4</td> <td>Network Engineer</td> <td>2</td> <td>Bachelor's degree / diploma in networking.</td> <td>5 years of experience working with projects with similar complexities</td> </tr> </tbody> </table>		Position	Minimum Number of Staff	Required Minimum Qualification	Required Minimum Experience	1	Project Coordinator	1	Recognized diploma in ICT or related	5 years in managing with similar comple	2	Electrical Engineer	1	Bachelor's degree (or equivalent) in Electrical engineering or similar.	5 years of experience working with projects with similar complexities	3	Electrical Technician	2	Diploma in Electrical	5 years of experience working with projects with similar complexities	4	Network Engineer	2	Bachelor's degree / diploma in networking.	5 years of experience working with projects with similar complexities	
	Position	Minimum Number of Staff	Required Minimum Qualification	Required Minimum Experience																										
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3	Electrical Technician	2	Diploma in Electrical	5 years of experience working with projects with similar complexities																										
4	Network Engineer	2	Bachelor's degree / diploma in networking.	5 years of experience working with projects with similar complexities																										
21	4.4 6.3 8.1 10.3	Performance Security Late Completion Notification of Defects Retention	Amount of Performance Security required is 5% of the Initial Contract Price. The amount to be paid is 0.05% of initial Contract Price per Day of delay from the date of completion, subject to maximum of 10% of initial Contract Price. The Period for defect notification is 45 Days from Taking Over. The amount of Retention is 10% of certified work done. The Maximum amount of retention is 5% of Initial Contract Price.																											
22	10.2	Payments	Payments to the contractor shall be made based on the following schedule.	<table border="1"> <thead> <tr> <th>No.</th> <th>Activity</th> <th>Time Schedule</th> <th>Payment / % of the Contract Price</th> </tr> </thead> <tbody> <tr> <td>01</td> <td>Delivery and installation of the workmanship as specified in the section 07 of the contract.</td> <td>Start date + 18 days</td> <td>N/A</td> </tr> <tr> <td>02</td> <td>Up on the receipt of delivery certificates. (Final Acceptance Test)</td> <td>Start date + 21 days</td> <td>90%</td> </tr> <tr> <td>03</td> <td>Negative defect reporting period</td> <td>Take over date + 45 days</td> <td>10% (Retention is paid)</td> </tr> </tbody> </table>	No.	Activity	Time Schedule	Payment / % of the Contract Price	01	Delivery and installation of the workmanship as specified in the section 07 of the contract.	Start date + 18 days	N/A	02	Up on the receipt of delivery certificates. (Final Acceptance Test)	Start date + 21 days	90%	03	Negative defect reporting period	Take over date + 45 days	10% (Retention is paid)										
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23	13.0	Adjudicator Resolution of Disputes	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																											

Section 07 - Bills of Quantities, Technical Specification and Bidders Compliance

Procurement of Workmanship for Installation of Network & Electrical Cabling and Other Accessories

Contract No. CERT/GOSL/WORKS/NCB/2024/13

Introduction

Sri Lanka CERT plans to establish compliance of ISO 27001 and ISO 11801 for its' infrastructure. The technical specifications and the technical related conditions in this section list out the requirements related to the hardware of establishing the supporting infrastructure for this project.

Sri Lanka CERT expects to procure following services/equipment for establishing the supporting infrastructure and bidders are required to comply with the technical specifications given below.

The installation of network and electrical cabling shall be complying with the ISO 27001 and ISO 11801 standards.

Item No	Description of Workmanship	UoM	Qty.	Comply (Yes/No)
1	Supply and installation of data point wiring using CAT6 UTP 4 Pair cable with PVC covering material (DP/AP/VP/FP/IPC). Total Cable length - 8300M	Points	129	
2	Supply and installation of data uplink wiring using CAT6 A UTP 4 Pair cable with PVC covering material. Total Cable length - 150 M	Meter	150	
3	Supply and installation of CAT6 A 0.5M Patch Cords for Uplinks	Nos	129	
4	Supply and Installation of 24 Port Fully Loaded CAT6 Patch Panel (19", TIA/EIA - 568A/B Standard)	Nos	9	
5	Supply and Installation Charges of 19" Horizontal Wire Management Panel	Nos	9	
6	Supply and Installation of 2M CAT6 RJ45-RJ45 Factory Fitted Patch Cord	Nos	129	
7	Supply and installation of wall mounted 10U rack with front glass, lockable side panel	Nos	3	
8	Supply and installation of wall mounted 16U rack with front glass, lockable door	Nos	1	
9	Supply and installation of 1U 6way 13A Factory fitted PDU	Nos	4	
10	Supply and installation charges of Half round casing and others (color should be matched to tile color)	Nos	1	

11	Existing wiring removing	Nos	1	
12	Existing data centre shifting to new location	Nos	1	
13	Fluke test	Nos	129	
14	Supply & Installation of 13A Radial power point wiring with using 2X1Cx2.5mm ² Cu/PVC/PVC cable + 2.5mm ² Cu/PVC Earth wire in conduit/PVC casing and all necessary accessories, Blue, Brown and earth Total cable length - 1300M	Points	231	
15	Supply & Installation charges of 16A Industrial power point wiring with using 2X1Cx2.5mm ² Cu/PVC/PVC cable + 2.5mm ² Cu/PVC Earth wire in conduit/PVC casing and all necessary accessories, (for data centre)	Nos	3	
	1C 2.5mm ² CU/PVC/PVC cable Brown			
	1C 2.5mm ² CU/PVC/PVC cable Blue			
	1C 2.5mm ² CU/PVC cable Earth			
	Distribution Panels			
16	SDB-Datacenter	Nos	1	
	- 1 Nos. 40A, 2P 10kA MCB			
	- 1 Nos. 40A, 2P, 100mA RCCB			
	- 2 Nos. 20A, 2P, 6kA MCB			
	- 2 Nos. 20A, 1P, 6kA MCB			
17	SDB-Other	Nos	3	
	- 2 Nos.40A, 2P 10kA MCB			
	- 2 Nos. 40A, 2P, 100mA RCCB			
	- 10 Nos. 20A, SP, 6kA MCB			
	Low voltage feeder cables			
18	2x1C x 6mm ² Cu/PVC/PVC wires and 6mm ² earth wire with PVC covering materials total cable length 110 Mtr Blue, Brown & Earth cables	Meter	110	

19	Chartered engineering certification for power wiring	Nos	1	
20	Supply and installation of Half round casing and others	Nos	1	
21	Existing wiring removing	Nos	1	
22	The installation of network and electrical cabling complying with the ISO 27001 and ISO 11801 standards.	N/A	N/A	

Detailed Technical specification of Bill of Quantities

Bidders are required to state their compliance to specifications/requirements against each and every criterion of the specification sheets. Incomplete specification sheets will strongly lead to disqualify the bidder without getting any clarifications.

Item : 24 Port UTP Patch Panel-CAT6, Fully Loaded

Features	Minimum Specification	Bidder's Offer		Reference (Section No and Page No's)
		Yes/ No	If "No" Bidder's Response	
Brand	(Specify)			
Model	(Specify)			
Country of Origin / Manufacture	Should be USA or Europe			
Year of manufacture	(Specify)			
Number of Loaded Ports	24			
Height in Rack Units	1U"			
Panel Material	SECC/1.5mm thickness or better			
PCB Jack Contact Material/Plating	Phosphor Bronze/50μ inch gold over nickel or better			
Supported Conductor	22 - 26 AWG Insulation Wire or better			
PCB Jack Operating Life	minimum 750 insertions or better			
IDC Contacts Housing Material	UL 94V-0 or better			

IDC Contacts Contact Material/Plating	Phosphor Bronze/tin plating over nickel or better			
IDC Contacts Operating Life	minimum 250 re-terminations or better			
Application	1000Base-TX			
	1000Base-T			
	100Base-TX			
	10Base-T			
	Voice			
Category 6A Compliances	ISO/IEC 11801 or better			
	Wiring Standards should support T568 A & B			
	ANSI/TIA 568-C.2 or better			
	EN50173-1			
Safety Compliances	RoHS (EU Directive 2011/65/EC) or better			
Dimensions and Mounting Compliance	EIA-310-D or Better			
Accessories	Cable Ties and Screws should be included			
Manufactured authorization	Please specify			
Compliance	Standard compliance certificate to be provided from a suitably qualified third-party authority.			
Warranty	3 years			

Item : 19” Horizontal Wire Management Panel

Features	Minimum Specification	Bidder’s Offer		Reference (Section No and Page No’s)
		Yes/ No	If “No” Bidder’s Response	
Brand	(Specify)			
Model	(Specify)			
Country of Origin / Manufacture	Should be USA or Europe			
Year of manufacture	(Specify)			
Construction Material	Metal			

Construction Type	12 Rings or better			
Access Pathway	2 rear openings or better			
Rack Height	1U			
Cover Construction Material	Metal			
Color	Specify			
Safety Compliances	RoHS or better			
Manufactured authorization	Specify			
Compliance	Standard compliance certificate to be provided from a suitably qualified third-party authority.			
Warranty	3 years			

Item : 10U 19” Wall Mounted Rack/Cabinet

Features	Minimum Specification	Bidder's Offer		Reference (Section No and Page No's)
		Yes/ No	If “No” Bidder's Response	
Brand	(Specify)			
Model	(Specify)			
Country of Origin / Manufacture	(Specify)			
Year of manufacture	(Specify)			
Construction Material	Steel or better			
Frame and Rail thickness	1.5mm or better			
Other components thickness	1mm or better			
Rack Type	Wall Mounted Rack			
Vertical Rail	4 or better			
Horizontal Bracket	4 or better			
Rack Height	10U			
Rack Width	600mm			
Rack Depth	650mm			
Front Door	Lockable Glass Door			
Sides	Fully Covered Removable Lockable Side Panel			
Ventilation	Top mounted 2 way fans or better			

Cable Entry	Top and Bottom or better			
Cage Nuts, Washers & Bolts	50 x Cage nuts, Washers & Bolts or more			
Power	Power Bar should be include with 06 nos sockets			
Color	RAL 9005/ Matte Black			
Manufactured authorization	Specify			
Compliance	Standard compliance certificate to be provided from a suitably qualified third-party authority.			
Warranty	3 years			

Item : 16U 19” Wall Mounted Rack/Cabinet

Features	Minimum Specification	Bidder's Offer		Reference (Section No and Page No's)
		Yes/ No	If “No” Bidder's Response	
Brand	(Specify)			
Model	(Specify)			
Country of Origin / Manufacture	(Specify)			
Year of manufacture	(Specify)			
Construction Material	Steel or better			
Frame and Rail thickness	1.5mm or better			
Other components thickness	1mm or better			
Rack Type	Wall Mounted Rack			
Vertical Rail	4 or better			
Horizontal Bracket	4 or better			
Rack Height	16U			
Rack Width	600mm			
Rack Depth	650mm			
Front Door	Lockable Glass Door			
Sides	Fully Covered Removable Lockable Side Panel			
Ventilation	Top mounted 2 way fans or better			

Cable Entry	Top and Bottom or better			
Cage Nuts, Washers & Bolts	50 x Cage nuts, Washers & Bolts or more			
Power	Power Bar should be include with 06 nos sockets			
Color	RAL 9005/ Matte Black			
Manufactured authorization	Specify			
Compliance	Standard compliance certificate to be provided from a suitably qualified third-party authority.			
Warranty	3 years			

Item : 4 Pair UTP Cable (CAT-6)

Features	Minimum Specification	Bidder's Offer		Reference (Section No and Page No's)
		Yes/ No	If "No" Bidder's Response	
Brand	(Specify)			
Model	(Specify)			
Country of Origin / Manufacture	Should be USA or Europe			
Year of manufacture	(Specify)			
Conductor Material	Bare Copper			
Conductor Construction	23 AWG or better			
Cross Member	PE or better			
Insulation	HDPE or better			
No. of Pairs	4			
Jacket Color	Gray			
Insulation Thickness	0.22mm			
Nom.O.D.	6.2mm			
Flame Rating	CM			
Transmission quality verified	250MHz or better			
Application	1000Base-TX			
	1000Base-T			
	100Base-TX Fast Ethernet			
	10Base-T Voice			

Electrical Performance	Insertion Loss (dB)			
	@250 Mhz Typ 30.5 or better			
	Next (dB/100M)			
	@250MHz Typ. 46.3 or better			
	Return Loss (dB)			
	@250MHz Typ. 29.0 or better			
Category 6 Compliances	ISO/IEC 11801 ED. 2.2:2011 or better			
	ANSI/TIA 568-C.2:2011 or better			
	CENELEC EN 50173-1:2011 or better			
	CENELEC EN 50288-6-1:2013 or better			
	IEC61156-5:2012(Edition 2.0) or better			
Safety Compliances	IEC 60754-2:2011 (Edition 2.0) or better			
	IEC 61034-1 / 61034-2:2013 or better			
	IEC 60332-1-2:2004 or better			
	RoHS (EU Directive 2011/65/EC) or better			
Manufactured authorization	Specify			
Compliance	Standard compliance certificate to be provided from a suitably qualified third-party authority.			
Warranty	3 years			

Item : Face Plate (CAT-6 RJ45)

Features	Minimum Specification	Bidder's Offer		Reference (Section No and Page No's)
		Yes/ No	If "No" Bidder's Response	
Brand	(Specify)			
Model	(Specify)			
Country of Origin / Manufacture	(Specify)			

Year of manufacture	(Specify)			
Number of Ports	1, 2, 3			
Mounting surface	At least Drywall, baseboard or modular furniture			
Outer Dimensions	86" x 86" (must fit to standard Sunk Box)			
Keystone mounting	snap in			
Material	UL-94V-0, Fire retardant, withstand high impact or better			
Entry Angle	90 Degrees			
Port Shutter	must be included			
Safety Compliances	RoHS (EU Directive 2011/65/EC) or better			
Manufactured authorization	Specify			
Compliance	Standard compliance certificate to be provided from a suitably qualified third-party authority.			
Warranty	3 years			

Item : Keystone Jack (CAT-6 RJ45)

Features	Minimum Specification	Bidder's Offer		Reference (Section No and Page No's)
		Yes/ No	If "No" Bidder's Response	
Brand	(Specify)			
Model	(Specify)			
Country of Origin / Manufacture	Should be USA or Europe			
Year of manufacture	(Specify)			
Supported Conductor	22 - 26 AWG Insulation Wire or better			
Current Rating	1.5A or better			
Insulation Resistance	10M Ohm Min or better			
Contact Resistance	2m Ohm per contact or better			
Applications	1000Base-TX			
	1000Base-T			
	100Base-T			

	10Base-T			
	Voice			
PCB Jack Contact Material/Plating	Phosphor Bronze/50μ inch gold over nickel or better			
Operating Life	minimum 750 insertions or better			
IDC Contacts Housing Material	Polycarbonate /UL 94V-0 or better			
IDC Contacts Contact Material/Plating	100μ Phosphor Bronze/tin plating over nickel or better			
IDC Contacts Operating Life	minimum 250 re-terminations or better			
Operational Temperature	-10C to 60C or better			
Category 6 Compliances	ISO/IEC 11801-1 or better			
	ANSI/TIA 568.2-D or better			
	EN50173-1 or better			
Safety Compliances	RoHS or better			
Warranty	3 years			

Item : CAT-6 UTP Patch Leads

Features	Minimum Specification	Bidder's Offer		Reference (Section No and Page No's)
		Yes/ No	If "No" Bidder's Response	
Brand	(Specify)			
Model	(Specify)			
Country of Origin / Manufacture	Should be USA or Europe			
Year of manufacture	(Specify)			
Conductor Material	Bare Copper			
Patch Cord Length	0.5m, 2m, 3m			
Conductor Construction	30 AWG or better			
Insulation	HDPE or better			
Application	1000Base-TX			
	1000Base-T			
	100Base-T			
	10Base-T			
	Voice, Video			
Contacts	RJ45 50μ inch gold plated or better			
Boot	Snag Proof or better			
Category 6 Compliances	ISO/IEC 11801 Class E:2011 (Edition 2.2) or better			
	ANSI/TIA 568-C.2:2011 or better			
	CENELEC EN 50288-6- 2:2013 or better			
	IEC61156-6:2012 or better			
	IEC61935-2:2010 (edition 3.0) or better			
	CELENEC EN 50173- 1:2011			
Safety Standards	IEC 60332-1-2:2004 or better			
	RoHS (EU Directive 2011/65/EC) or better			
Manufactured authorization	Specify			

Compliance	Standard compliance certificate to be provided from a suitably qualified third-party authority.			
Warranty	3 years			

Item : – 13A Single Switched Socket Outlet

Features	Minimum Specification	Bidder's Offer		Reference (Section No and Page No's)
		Yes/ No	If "No" Bidder's Response	
Brand	(Specify)			
Model	(Specify)			
Country of Origin / Manufacture	(Specify)			
Year of manufacture	(Specify)			
Plate Size	86 mm x 86 mm			
Width of the product	28 mm			
Mounting centers	60.3 mm			
Current rating	13A			
Voltage rating	250V			
Nature of supply	Ac			
Plate	Polycarbonate			
Base	Polycarbonate			
Material parts	Copper alloy, zinc plated steel			
Switch contacts	Silver			
Nature of load specified	Resistive and inductive rated load			
High voltage compliance	Withstands 2000Vac			
Normal operation compliance	Make and brake 15000 times substantially non- inductive a.c. circuit 250V 13A at 12moments / min period of make and break being approx.. equal speed of actuating member approx.. 300 mm/s			
Colour	Electric white			

Standard compliance	SLS 734, BS1363			
Manufactured authorization	Specify			
Compliance	Standard compliance certificate to be provided from a suitably qualified third-party authority.			
Warranty	3 years			

Item : 40A 2P 10kA MCB

Features	Minimum Specification	Bidder's Offer		Reference (Section No and Page No's)
		Yes/ No	If "No" Bidder's Response	
Brand	(Specify)			
Model	(Specify)			
Country of Origin / Manufacture	(Specify)			
Year of manufacture	(Specify)			
Device Application	Distribution			
Pole description	2P			
In rated current	40 A			
Network type	AC DC			
Utilization category	Category A conforming to EN/IEC 60947-2			
Suitability for isolation	Conforming to EN/IEC 60947-2			
Manufactured authorization	Specify			
Compliance	Standard compliance certificate to be provided from a suitably qualified third-party authority.			
Warranty	3 years			

Item : 40A 2P RCCB (100mA)

Features	Minimum Specification	Bidder's Offer		Reference (Section No and Page No's)
		Yes/ No	If "No" Bidder's Response	
Brand	(Specify)			
Model	(Specify)			
Country of Origin / Manufacture	(Specify)			
Year of manufacture	(Specify)			
Pole description	2P			
In rated current	40 A			
Network type	AC			
Earth-leakage sensitivity	100 mA			
Earth-leakage sensitivity	Instantaneous			
Rated breaking and making capacity	500 A			
Manufactured authorization	Specify			
Compliance	Standard compliance certificate to be provided from a suitably qualified third-party authority.			
Warranty	3 years			

Item : 20A 1P MCB

Features	Minimum Specification	Bidder's Offer		Reference (Section No and Page No's)
		Yes/ No	If "No" Bidder's Response	
Brand	(Specify)			
Model	(Specify)			
Country of Origin / Manufacture	(Specify)			
Year of manufacture	(Specify)			
Pole description	1P			

In rated current	20 A			
Network type	AC DC			
Utilization category	Category A conforming to EN/IEC 60947-2			
Suitability for isolation	Conforming to EN/IEC 60947-2			
Manufactured authorization	Specify			
Compliance	Standard compliance certificate to be provided from a suitably qualified third-party authority.			
Warranty	3 years			

Item : 20A 2P MCB

Features	Minimum Specification	Bidder's Offer		Reference (Section No and Page No's)
		Yes/ No	If "No" Bidder's Response	
Brand	(Specify)			
Model	(Specify)			
Country of Origin / Manufacture	(Specify)			
Year of manufacture	(Specify)			
Pole description	2P			
In rated current	20 A			
Network type	AC DC			
Utilization category	Category A conforming to EN/IEC 60947-2			
Suitability for isolation	Conforming to EN/IEC 60947-2			
Manufactured authorization	Specify			
Compliance	Standard compliance certificate to be provided from a suitably qualified third-party authority.			
Warranty	3 years			

Employer shall be satisfied with the user acceptance test on completion of the workmanship carried out by the bidder.

The successful bidder is responsible for the Supply, Delivery, Installation, Testing and Commissioning of the solution.

Signature of the Bidder

Name of the Bidder

Company Seal:

Date:

Section 08 Priced Bills of Quantities

Total Bid Price (Excluding VAT) LKR

Bidder shall provide the priced bill of quantities as defined in the table below.

Item No	Description of Workmanship	UoM	Qty.	Price in LKR	All Other local chargers in LKR	Unit price Excluding VAT LKR	Total Price Excluding VAT LKR	VAT LKR	Total Price Including VAT LKR
(1)	(2)	(3)	(4)	(5)	(6)	(7)=(5)+(6)	(8)=(4)x(7)	(9)	(10)=(8)+(9)
Network/Data Cabling									
1	Supply and installation of data point wiring using CAT6 UTP 4 Pair cable with PVC covering material (DP/AP/VP/FP/IPC). Total Cable length - 8300M	Points	129						
2	Supply and installation of data uplink wiring using CAT6 A UTP 4 Pair cable with PVC covering material. Total Cable length - 150 M	Meter	150						
3	Supply and installation of CAT6 A 0.5M Patch Cords for Uplinks	Nos	129						
4	Supply and Installation of 24 Port Fully Loaded CAT6 Patch Panel (19", TIA/EIA - 568A/B Standard)	Nos	9						
5	Supply and Installation Charges of 19" Horizontal Wire Management Panel	Nos	9						
6	Supply and Installation of 2M CAT6 RJ45-RJ45	Nos	129						

	Factory Fitted Patch Cord								
7	Supply and installation of wall mounted 10U rack with front glass, lockable side panel	Nos	3						
8	Supply and installation of wall mounted 16U rack with front glass, lockable door	Nos	1						
9	Supply and installation of 1U 6way 13A Factory fitted PDU	Nos	4						
10	Supply and installation charges of Half round casing and others (color should be matched to tile color)	Nos	1						
11	Existing wiring removing	Nos	1						
12	Existing data centre shifting to new location	Nos	1						
13	Fluke test	Nos	129						
Electrical Cabling									
14	Supply & Installation of 13A Radial power point wiring with using 2X1Cx2.5mm ² Cu/PVC/PVC cable + 2.5mm ² Cu/PVC Earth wire in conduit/PVC casing and all necessary accessories, Blue, Brown and earth Total cable length - 1300M	Points	231						
15	Supply & Installation charges of 16A Industrial power point wiring with using 2X1Cx2.5mm ²	Nos	3						

	Cu/PVC/PVC cable + 2.5mm2 Cu/PVC Earth wire in conduit/PVC casing and all necessary accessories, (for data centre)								
	1C 2.5mm2 CU/PVC/PVC cable Brown								
	1C 2.5mm2 CU/PVC/PVC cable Blue								
	1C 2.5mm2 CU/PVC cable Earth								
	Distribution Panels								
16	SDB-Datacenter	Nos	1						
	- 1 Nos. 40A, 2P 10kA MCB								
	- 1 Nos. 40A, 2P, 100mA RCCB								
	- 2 Nos. 20A, 2P, 6kA MCB								
	- 2 Nos. 20A, 1P, 6kA MCB								
17	SDB-Other	Nos	3						
	- 2 Nos.40A, 2P 10kA MCB								
	- 2 Nos. 40A, 2P, 100mA RCCB								
	- 10 Nos. 20A, SP, 6kA MCB								
	Low voltage feeder cables								
18	2x1C x 6mm2 Cu/PVC/PVC wires and 6mm2 earth wire with PVC covering materials total cable length 110 Mtr Blue, Brown & Earth cables	Meter	110						
Other									
19	Chartered engineering certification for power wiring	Nos	1						
20	Supply and installation of Half	Nos	1						

	round casing and others								
21	Existing wiring removing	Nos	1						
Total Bid Price including labor, parts and other charges, Support & maintenance Excluding VAT									

Section 09 -Drawings

No drawings shall be supplied by the employer. On completion of the site visit, the bidder shall produce their own drawing.