Sri Lanka CERT (Pvt.) Ltd

BIDDING DOCUMENT

Procurement of Workmanship of Interior Works, Installation of Networks and Electrical Cabling, Furniture Fittings for Malware Analysis and Threat Hunting Lab – Phase I

Contract No: CERT/GOSL/WORKS/NS/2026/21

National Shopping

October 2026

VOLUME I

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Section 01 - Instructions to Bidders

Instructions to Bidders

	A General	
1.	**Scope of Bid**	▪ 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 five (05) calendar days from the issue of the Letter of acceptance and complete the Works within the Completion Period stated in the Schedule.
	2. Eligibility	a. All bidders shall have business registration and Experience in works of a similar nature and size for each of the last five years b. To be eligible for contract award, the successful bidder shall not have been blacklisted and shall meet the qualification criteria stated in the IFQ. c. Average annual volume of construction work performed during the last five (05) years shall be at least Rs.25 million. d. The minimum amount of liquid assets and/or project specific credit facilities exclusively of any advance payments which may be made under this contract shall not be less than Rs.6 million.
	3. Qualification of the Bidder	All bidders shall provide the information requested in Section 05.
	4. Site Visit	The bidder, at the bidder's own responsibility and risk, is encouraged to: ▪ 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. Costs of visiting the Site shall be at the bidder's own expense.
	B Bidding Documents	
	5. Content of Bidding Documents	Bidding documents consist of two volumes, as stated below: **<u>Volume 1</u>** - (one copy each) ▪ Section 01 Instructions to Bidders ▪ Section 02 Standard Forms ▪ Section 03 Conditions of Contract

	Volume 2 (one copy each) ▪ Section 04 Form for invitation of bids ▪ Section 05 Form of Bid ▪ Section 06 Bidding Data and Contract Data ▪ Section 07 Bill of Quantities, Technical Specifications and Bidders Compliance ▪ Section 08 Price Schedule ▪ 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	The bid submitted by the bidder shall comprise the following: (a). Duly filled and signed Form of Bid (in the format indicated in Section 05) (b). Section 06 - Bidding Data & Contract Data (Schedule) (c). Section 07 - Bill of Quantities, Technical Specification and Bidders Compliance (d). Section 08 - Price Schedule (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. (h). Business Registration Certificate (i). Power of Attorney/Board Resolution for the person committing the bidder. (j). VAT Registered Certificate (If Applicable)
8. Bid Prices	▪ 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	▪ 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;
	▪ If a Bidder: (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: (i) to sign the contract; or (ii) to furnish performance security in accordance with Clause 21 below, The Employer may initiate action to disqualify the bidder from qualifying for any future contracts under the Ministry of Technology
10. Format and Signing of Bid	▪ 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.
D. Submission of Bids	
11. Sealing and Marking of Bids	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.

12. Deadline for Submission of Bids	Bids shall be delivered no later than the time and date specified in the Letter of Invitation (Section 04).
13. Late Bids	Any bid received by the Employer after the deadline for submission of bids will be returned unopened to the bidder.
E. Bid Opening and Evaluation	
14. Bid Opening	▪ 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.
15. Examination of Bids and Determination of Responsiveness	▪ Prior to the detailed evaluation of bids, the Employer will determine whether each bid: a. meets the eligibility criteria; b. has been properly signed; and c. is substantially responsive to the requirements of the bidding documents.
	▪ If a bid is not substantially responsive: 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.
16 Correction of Errors	▪ 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: (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.

17. Evaluation and Comparison of Bids	▪ 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: (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.
F. Award of Contract	
18. Award Criteria	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: (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	The Employer reserves the right to: (a) accept or reject any bid; (b) cancel the bidding process; (c) reject all bids, at any time prior to the award of Contract, Without thereby incurring any liability to the affected bidder(s).
20. Award and Signing of Agreement	▪ 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	Within 07 Days after receipt of the Letter of Acceptance, the successful bidder shall deliver to the Employer a Performance Security: ▪ for an amount equivalent to 5% of the initial Contract Price; and ▪ in the form specified in Section 2, Standard Forms.

22. Adjudicator	Upon request made by either party, the Institute for Construction Training and Development will appoint an Adjudicator.

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 : .....

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 responsible for administering and supervising the execution of the works. 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 07 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 Woks 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	▪ 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	▪ 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: 1. the Contract Agreement. 2. the Letter of Acceptance. 3. the Contractor's Bid. 4. Bidding and Contract Data. 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.

4.0 The Contractor

4.1 General Obligations	The Contractor shall: ▪ 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. All Materials and Plant on Site shall be deemed to be the property of the Employer.
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	The Contractor shall not subcontract: ▪ the whole of the Works; ▪ any part of the Works without the consent of the Employer.
4.4 Performance Security	The Contractor shall deliver to the Employer within 07 Days of the Letter of Acceptance a Performance Security: ▪ 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	In this Contract, Employer's Liabilities mean: ▪ 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; ▪ Any change to the law of the Contract after the date of the Contractor's offer as stated in the Agreement.

6.0 Time for Completion

6.1 Execution of the Works	The **Contractor** shall: ▪ commence the Works on or before the Start Date; ▪ proceed expeditiously and without delay; ▪ Complete the Works within the Completion Date.
6.2Extension of Time	▪ 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: o consider all supporting details provided by the Contractor; o Extend the Intended Completion Date as appropriate.
6.3 Late Completion	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.

7.0 Taking Over

7.1 Completion	The Contractor shall notify the Engineer when he considers that the Works are complete.
7.2 Taking-Over Notice	▪ 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	▪ 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. ▪ 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	▪ 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 Employer may instruct variations.
9.2 Valuation of Variations	Variations shall be valued as follows: a) at a lump sum price agreed between the Employer 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 Employer considers appropriate.
9.3 Early Warning	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	▪ 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	▪ 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	▪ 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	▪ 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	The retention shall be paid by the Employer to the Contractor within 14 Days after either the: ▪ 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, all as referred to in Clause 8, whichever is the later.
10.4 Final Payment	▪ 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	Payment shall be in Sri Lanka Rupees only.
10.6 Delayed Payment	▪ 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.
10.7 Subsequent Legislature	If, after the date 28 Days prior to the latest date for submission of Bids for the Contract: ▪ 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 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.
10.8 Advance Payment	▪ 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

11.1 Default by Contractor	The Engineer may give notice referring to this Sub-Clause and stating the default if the Contractor: ▪ 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.

	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. 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.
11.2 Default by Employer	▪ Contractor may give notice to the Employer referring to this Sub-Clause and stating the default; o if the Employer delayed the payments due to the Contractor for more than 42 Days; or o if the Employer is, despite a written complaint, in breach of the Contract; or o 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.
11.3 Payment upon Termination	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: 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. The net balance due shall be paid or repaid within 28 days of the notice of termination.

12.0 Risk and Responsibility

12.1 Contractor's Care of the Works	▪ 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-Clause7.2. ▪ 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 Contract, by negligence or by other default of the Contractor, his agents or employees.
12.2 Force Majeure	▪ 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: (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	▪ 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	▪ 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.

VOLUME II

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Section 04 - Form for Invitation of bids

INVITATION FOR QUOTATIONS (IFQ)

Sri Lanka CERT

Procurement of Workmanship Interior Works, Installation of Networks and Electrical Cabling, Furniture Fittings for Malware Analysis and Threat Hunting Lab – Phase I

a. The Chairman, Department Procurement Committee (DPC) on behalf of the Sri Lanka CERT which functions under the purview of Ministry of Technology now invites sealed offers from eligible and qualified bidders for Refurbishment of its' Math Lab. The scope of work consists of several components including partitioning, mechanical, data networking and electrical works as described in Bill of Quantities, Drawings and Specifications.

b. The completion period is 6 weeks from the date of the letter of award. Approximate Cost Estimate is LKR.11 Million Including Contingences and VAT.

c. To be eligible for contract award, the successful bidder shall not have been blacklisted and shall meet the qualification criteria stated in the IFQ.

d. Average annual volume of construction work performed during the last five years shall be at least Rs.25 Million.

e. The minimum amount of liquid assets and/or project specific credit facilities exclusive of any advance payments which may be made under this contract shall not be less than Rs.6 million.

f. Interested Bidders may obtain further information from, Project Manager /Procurement, Sri Lanka CERT Pvt Ltd, Room: 4-112, BMICH, Colombo 7 and the Bidding documents could be inspected free of charge and can be obtained during office hours on working days commencing from **27th October 2026,** at the office of Sri Lanka CERT Pvt Ltd at the above address**.** Telephone: +94 11 269 1692/269 5749/267 9888, Fax: +94 11 269 1064 or email: procurement@cert.gov.lk. A complete set of Bidding Documents in English

Language can be downloaded from "Procurement Tab" of www.cert.gov.lk website**.**

g. Site visit shall be held at **1400 Hrs** on **30th October 2026** at Sri Lanka CERT Pvt Ltd, Room: 4-112, BMICH, Colombo 7. Prospective bidders are encouraged to participate the site vist.

h. **Sealed Quotations** must be delivered to Chairman, Department Procurement Committee**,** Sri Lanka CERT Pvt Ltd, Room: 4-112, BMICH, Colombo 7 to be received at or before **1500 Hrs. (3.00 P.M)** on **03rd November 2026**. Late Bids and Bids sent electronically will not be accepted and will be rejected.

i. Bids shall be valid for a period of 77 days from the date of deadline for submission of the Bids.

j. Bids will be opened immediately after the deadline for submission of bids, in the presence of Bidders or their authorized representatives who choose to attend in person at the address stated above (in Para f).

k. Sri Lanka CERT will 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.
Phone: +94112691692, Fax: +94112691064
E-Mail: procurement@cert.gov.lk , www.cert.gov.lk

October 2026

Section 05 - Form of Bid

Form of Bid

Contract No. CERT/GOSL/WORKS/NS/2026/21

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

1.Having examined the Invitation for Quotation of for refurbishment Math Lab of Sri Lanka CERT 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 this……..day of…….20… in capacity of ……duly authorized to sign tenders for and on behalf of …….

(IN BLOCK CAPITALS)

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

Section 06 - Bidding Data & Contract Data

ITB Clause	Conditions of Contract Clause	Item	Data
	1.1.6	Employer is:	Name : Sri Lanka CERT (Pvt) Ltd Address:. Room 4-112, BMICH, Colombo 07. Authorized Representative of the employer is: Manager (Information Security)
		Source of Funds	GoSL
	1.1.11	Intended Completion Date	The Intended Completion Date is 42 calendar Days from the date of the letter of award.
2		Eligibility	If the bidders do not meet the below Minimum Qualification Requirements and documentary evidence in support of the above, as required, are not submitted along with the bid, such bids will be treated as non-responsive and may not be considered for further evaluation. 1) All bidders shall have business registration. 2) Bid submission form signed by the Authorized person with company seal. 3) Bid Validity period should be complied 4) Price schedule signed by the Authorized person with company seal. 5) To be eligible for contract award, the successful bidder shall not have been blacklisted and shall meet the qualification criteria stated in the IFQ. 6) Average annual volume of construction work performed during the last five years shall be at least Rs.25 Million. 7) The minimum amount of liquid assets and/or project specific credit facilities exclusive of any advance

<table>
<tr><td></td><td></td><td></td><td>payments which may be made under this contract shall not be less than Rs.6 million.
8) The bidder must have at least five (05) years of experience in similar interior design works, including Mechanical, Electrical & Plumbing (MEP) and Extra Low Voltage (ELV) works, as part of its business. Supporting reference documents must be submitted.</td></tr>
<tr><td>21</td><td>4.4

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<tr><td></td><td></td><td></td><td><table>
<tr><td>02</td><td>Up on the receipt of delivery certificates. (User Acceptance Test)</td><td>Date of letter of award + 42 days</td><td>85%</td></tr>
</table></td></tr>
<tr><td>22</td><td>13.0</td><td>Adjudicator
Resolution of Disputes</td><td>Fees and types of reimbursable expenses to be paid to the Adjudicator shall be on a case to case basis and shall be shared between by the Contractor and the Employer</td></tr>
</table>

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

Introduction

Sri Lanka CERT functions under the purview of Ministry of Technology intend to refurbish its' MATH Lab and its' infrastructure. The technical specifications, Bill of quantities and the technical related conditions in this section list out the requirements related to the refurbishment and infrastructure for this project.

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

GENERAL RULES

Method of Measurements

This Bill of Quantities has been prepared in accordance with the principles of the Standard Method of Measurement of building works in Sri Lanka -Sri Lanka Standard 573:1999 published by the Sri Lanka Standards Institution and Works to be measured accordingly.

Measurements

1. Unless otherwise specifically required by the rules given or otherwise specifically stated in this Bill of Quantities, work shall be measured net as fixed in position with overlaps.

2. Dimensions used in calculating quantities are taken to the nearest 10mm.

3. Quantities measured in tonnes are given in two decimal places which has to be claimed by the Contractor to be two decimal places.

4. Other quantities are given in the nearest whole except that any quantity is less than ten are given to the nearest 1st decimal. Contractor to follow the same.

5. Where minimum deductions for voids or openings are dealt with herein, they shall refer to the following.

5.1 Voids of openings which are wholly within the boundaries of measured areas.

5.2 Door, window or black openings.

5.3 Voids or openings at the boundaries of measured piers, columns and similar members.

6. All dimensions to be in the sequence of length, width, height or thickness. Contractor to follow the same when submitting the measurements sheets.

Symbols and abbreviations

In this Bill of Quantities the following symbols and abbreviation have been used.

m	= meter
m^2	= square meter
m^3	= cubic meter
mm	= mili meter
nr.	= number
kg	= kilogram
t	= ton
h	= hour
pc sum	= prime cost sum
pro. sum	= provisional sum
>	= exceeding
≥	= equal or exceeding
<	= less than
≤	= not exceeding
%	= percentage

PRICING PREAMBLES

Notes :

All Bidders should read carefully preamble notes before pricing the Bill of Quantities.

Following preambles are general preamble notes for all the work items and bidder is advised to ignore the preambles not applicable to particular contract.

General

The Bidder shall read and be fully conversant with the description of relevant item of work and the requirements stated in the Specifications, Conditions of Contract, instructions to Bidders and Form of Bid the bidding document prior to preparation of the Bid. If Information given in the particular specifications prevail over that given in the General Specifications or Drawings.

The rate for each item must be comprehensive and must include for complying in all respects with the requirements of the Specifications and the Pricing Preambles as follows.

Unless otherwise specifically stated in bill of quantities or herein, the following shall be deemed to be included with all items.

1. Materials and goods including supplying, transport hoist or lowering, storage and all costs in connection therewith.

2. Labour and all costs in connection therewith.

3. Tools, plant other than hoisting plant and all costs in connection therewith.

4. Waste of materials and rolling margin.

5. Square cutting, raking, forming ends, angles and mitres, straight, angular and curved work.

6. Fabricating, deliver to position, erecting or fixing.

7. Establishment charges, overhead charges and profit.

PRIM COST SUM AND PROVISIONAL SUM

The term "Prim Cost Sum" is defined a sum provided for work or services to be executed by a nominated sub Contractor, authority or a public undertaking or for a materials or goods to be obtained from a nominated supplier. Such sum shall be deemed to be exclusive of any profit required by the general Contractor and provision shall be made for addition thereof.

The term "Provisional Sum" is defined as a sum provided for unforeseen works or for the value of works, where the quantity of work required cannot be accurately determined at the time of Bill of Quantities preparation

DEMOLITION, ALTERATIONS, REPAIRS AND MAINTENANCE WORK

Rates for Demolition work shall include for:

a. The Bidder is advised and required to visit the site at his own expense and to acquaint himself regarding the work spaces, conditions of adjoining buildings, access, actual extent of the work to be done, possible method of demolition, reusable materials, existing services, method/methods of disconnecting and termination of services, method of transportation of materials, equipment to be used, location to dump the debris.

b. The Contractor shall hand over the re-usable materials to the Employer.

c. The Contractor shall dispose all unusable materials and debris away from site.

d. The Contractor shall cart away all demolished materials on daily basis. All costs including re-location to those wok shall be included.

e. The Contractor shall include for all precautions to minimize the noise, dust and vibrations etc, to the approval of the Engineer.

f. The Contractor shall take all precautions to protect the existing un demolish work.

g. The Bidder shall allow for itemize and hand over the stripped out materials.

h. The Bidder shall allow for temporary supports for structures to be retained.

MASONRY WORKS (BRICK / BLOCK WORK, STONE WORK)

Notes

* Brick work to be conforms to relevant standard.

* The bricks to be common bricks manufactured to standard size, well burnt, solid, hard and the faces and edges to be straight. The Contractor should submit the samples of bricks prior to purchase.

* Brick samples to be submitted and obtained the approval from the Engineer prior to purchase the materials.

* Exposed brick work to be finished neatly by showing grooves or flush mortar as requested by the Engineer.

* Broken bricks are not allowed to use. All courses to be flushed and straight horizontally & vertically.

* Manual mixing of concrete & mortar, the ingredients to be measured in proper gauge boxes on a boarded platform and mixed in a mechanical batch mixture.

Rates for masonry work shall include for:

a. All rough and fair square cutting.

b. Forming rough and fair groves, throats, mortises, chases, rebates reveals, holes, stops and mitres etc,.

c. Raking out joints to form key for plastering.

d. Labours in eaves filling.

e. Labours in returns ends and angles.

f. Centering.

g. Extra materials for curved works, templates etc.

h. Leveling un-coursed work.

i. Dressed margins to rubble work.

j. Extra stones for joints.

WATER PROOFING WORK

* All water proofing to be carried out by the specialized supplier with their nominated sub contractors recommended by the manufacturer.

* All waterproofing to be under ten (10) years of warranty.

* Water proofing chemicals should comply the requirements of industrial regulations, Environmental Authorities

Rates for Water Proofing Work shall include for

a. Cutting to line, notching, bending and extra material to lapping for damp proof membrane.

b. Working into recessed duct covers, shaped inserts, outlet pipes and the like.

c. Work to falls and cross falls.

d. Internal and external angles, arises, edges etc.

e. Intersections on work to cross falls.

f. Submit catalogues, samples, prices etc, for water proofing chemicals.

g. Remove foreign matters, clean and wash the surface and prepare well to receive water proofing chemicals.

h. Water proofing treatment shall be in accordance with the manufactures technical specification with necessary guarantees and contractor shall obtain the approval from Engineer before commencing the work.

i. Reinforcing fabric to joints and edges

STRUCTURAL METAL WORKS FOR STEEL IN FRAMED STRUCTURES / ALUMINIUM IN FRAMED STRUCTURES AND METAL WORK IN UNFRAMED STRUCTURES

Rates for Structural Metal Works of steel / Aluminium in framed or unframed structures shall include for:

a. Preparing of shop drawings, obtain the Engineer's approval.

b. Supplying samples and obtain the Engineer's approval.

c. All shop fabrication.

d. Making, delivery, loading and unloading, hoisting, erecting and fixing in position.

e. Cleaning the surface to remove grease, rust, dirt and any foreign matters to receive paint or surface treatment.

f. Steel work shall be painted with two coats of anti-corrosive bituminous paint before fixing.

g. all necessary brackets, plates, tie rods, bolts & nuts, reverts and other fastenings.

h. Making good and protect until the handing over.

METAL WORKS

* All Aluminium extrusions should conforms BS EN 515:1993, Part 1 to 4 of BS EN 573, Part 1 to 9 of BS EN 755, Part 1 to 2 of EN12020

* Anodizing of Aluminium extrusions should conforms BS EN 12373 - 1:2001 clauses 6,7,8,9 & EN ISO 2360:2003

* Thickness of Anodizing should be 20-25 microns.

* Powder coating of Aluminium extrusions should conforms BS 6496:1984

* Thickness of powder coating should be 60-80 microns.

Rates for Metal Works shall include for:

a. Preparing of shop drawings, obtain the Engineer's approval.

b. Supplying samples and obtain the Engineer's approval.

c. Obtain samples, testing in an approved laboratory, submit the test reports to the Engineer.

d. Tie rods, bolts, reverts and other fastenings.

e. Sub frames, sills & the like where part of the component.

f. Ironmongery as per Engineer's approval where supplied with the component.

g. Finishes where part of the component.

h. Glazing where supplied with the component.

i. Mechanical / automatic operating equipment where supplied with the component with the guarantees.

j. Fixing, fastening, blockings, wedges, bolts, cleats, anchors & the like.

k. Linings, nosing, trims, gaskets, seals, weather strips, and the like where part of the component.

l. Soffit linings, spandrel panels and the like where part of the component.

m. Protection of the component until the handing over, clean and handover the components.

n. Steel work shall be painted with two coats of anti-corrosive zink phosphate paint before fixing.

WOOD WORKS (CARPENTRY AND JOINERY WORKS)

Rates for Wood Works (Carpentry and Joinery work) shall include for:

a. All timber sizes for wood work indicated in the description or drawings should be finished sizes after planned.

b. Timber to be used for wood work to be best quality approved class of timber.

c. Timber to be used for wood work shall be of the specified species and of the best quality, thoroughly well kiln seasoned, swan to square and free from sap, shakes, cracks and edges. It should be free from decay & insect attack.

d. Cutting, notching, drilling, planning, and make good.

e. Jointing and Framing together all work in accordance with the best practice.

f. Fixing in position with all spikes, nails, screws and gluing.

g. All necessary nails, screws, plugs, glues, splayed edges etc.

h. All timber sections of the wood work to be treated with applying of clear wood preservatives unless otherwise specified a special treatment before fixing.

i. Priming back before fixing.

IRONMONGERY

Rates for Ironmongery shall include for:

a. Preparing of timbers to receive iron Ironmongery.

b. Cutting, notching, drilling and make good.

c. All necessary screws, accessories, glues etc,.

d. Brass oxidized heavy duty Indian origin iron Ironmongery.

e. Unless otherwise specified locks should be Chrome plated brass heavy duty union or equivalent as directed.

CLADDINGS

* Plastics glazed walling / structural glass walling

* Curtain Walling

* Asbestos cement / Metal / plastics sheet cladding.

* All external claddings to be water tight.

* All external claddings to be designed to resist the wind load and glazing should be shattered proof.

Rates for Claddings shall include for :

a. Prepare layout drawings, submit to the Engineer for approval and setting out.

b. Raking cutting and curved cutting.

c. Stop ends, mitres and corners.

d. Cleats, brackets, bolts and fixing.

e. Doors where supplied with the unit.

f. Architraves, trims and like where part of the component.

g. Ironmongery where supplied with the component.

h. Fixing and fastening the frames to concrete, masonry work, steel frames etc,.

i. Mastic, sealants and suitable separators.

j. Forming of voids if necessary.

PARTITIONS, LININGS AND SUSPENDED CEILINGS

* Plaster board dry lining and fixed partitions / inner walls / linings.

* Demountable partitions

* Cubicle partitions

* Suspended grid system ceilings

* Exposed or concealed grit system ceilings to be carried out as per the specifications of the manufacture.

* Mineral fiber ceiling tiles to be made out of non-combustible, mineral wool fiber and having the property of thermal or heat resistant.

Rates for Partitions, linings and suspended Ceilings shall include for:

a. Prepare layout drawings, submit to the Engineer for approval and setting out.

b. Fair joints between panels, walls, soffits of beams and slabs etc,.

c. Additional labour for overhead work.

d. Plaster for touching up.

e. Trimmers and beads, studs, noggins etc,.

f. Mastic, sealants and suitable separators.

g. Patterned work.

h. Straight, angular or circular cutting.

i. Head and sole plates, studs, stiffening sections, firings, channels, metal resilient bars, jointing bars, Insulation and barriers, fillets, battens and the like.

j. Additional frame work for openings of light fittings, ducts, diffusers, or any other services required.

k. Cubical partitioning shall include framing, stiffening, connecting and fixing devises, supporting legs and brackets.

l. Suspended ceilings shall include working over and around obstructions, support work and accessories for fittings, suspension and framed members, cutting.

m. All necessary hot dipped galvanized hanging rods, wires, buckles or other necessary accessories for suspended ceilings.

FLOOR, WALL AND CEILING FINISHES

* Manual mixing of concrete & mortar, the ingredients to be measured in proper gauge boxes on a boarded platform and mixed in a mechanical batch mixture.

Rates for floor, wall and ceiling finishes shall include for:

a. Temporary rules, screeds, grouts, adhesives where necessary.

b. Fair joints, out-lets, working over and around obstructions, forming shallow channels.

c. Fair edges, rounded edges, covered junctions, angles where applicable.

d. Raking out of brick/ block work and Hacking concrete surface for forming key.

e. Remove foreign substances and wetting.

f. Joints between different surfaces.

g. Pointing of tile joints with grout match to tile colour and fill mortar or concrete to joints of paving tiles or blocks.

h. 1/2" thick cement and sand (1:3 mix) backing.

i. Dividing strips or expansion joints where applicable.

j. Extra materials to thicken to finish to required level.

k. Cleaning, waxing, washing with Acids where specified, sand blasting etc,.

PAINTING AND DECORATING

* All paints should conforms relevant standards.

* The Contractor to be obtained the approval of the Engineer of the quality and colour of the paint.

* Paint samples to be submitted & obtained the approval of the Engineer.

Rates for painting and decorating shall include for:

a. Preparation of surfaces, cleaning down.

b. Smoothing, knotting, stopping etc,.

c. Protecting floors or other finishes, accessories or fittings etc,.

d. Removing of doors, windows or furniture and replace and cleaning.

e. Neatly terminate the lines of different colours.

f. Remove paint stains and clean on completion.

GLAZING

Rates for glazing shall include for:

a. Supplying samples and obtain the Engineer's approval.

b. Straight, angular or circular cutting including cutting waste, making holes where necessary.

c. transporting, handling, hoisting or lowering, fixing with care.

d. Templates, finish the edges to required finish.

e. Beads, gaskets, and the like into wood, metal, plastic and concrete or masonry work.

f. Replacing cracked or broken glasses.

BILLS OF QUANTITIES

Item	Description	References	Quantity	Unit	Rate (LKR)	Amount (LKR)
	Notes: ***a) All Bidders should read carefully preamble notes before pricing the Bills of Quantities.*** ***b) Furniture details are a conceptual representation of the end product. The Contractor to design the furniture considering the stability and durability. Specified materials and components shown in the drawings, specifications and in this BOQ items are the minimum requirement and it is the Contractor's responsibility to manufacture the furniture in a steady manner.*** *c) The Contractor to submit shop drawings indicating all information allowing sufficient time to the Engineer to scrutinize and confirm prior to commence the manufacturing.* *d) All samples, mockups, finishes and colours along with the shop drawings to be viewed and approved by the Engineer, prior to purchase / application.* *e) All measurements are for quotation purposes only; all measurements to be rechecked at site prior to fabrication / construction.* *f) All GI Strapping / hollow sections to be galvanized and finished in 'matte black'. Powder coated or NC.* *g) All door hinges / sliding rails / drawer rails; to be 'HAFELE', Bloom, 3H or equivalent.* *h) The Contractor to submit the samples of Particle or MDF Melamine boards and obtained the approval.* *i) The fixing method of all overhead / wall mounted storage cupboards to be anchored onto concrete slab above or on walls, in a approved type method and prior approval to be obtained by the Engineer.* *j) All furniture boards to be in high quality particle melamine with approved type finish and thicknesses unless specified otherwise in the line items of BOQ.*					

	k) Rates shall include for erecting and maintaining of temporary scaffoldings, Acro props, G.I Pipes, clamps, supports, platforms and climbing stairs and remove on completion of the Works including temporary re-erections if required. ***Bidders are strongly advise to provide information requested along with the item description.*** ***Biidders are strongly advise to visit the site, inspect the building and its surroundings, measure ments of doors and windows etc, at their own expence prior to price the Bill of Quantities.***					
1/	**BILL NO. 01 - PRELIMINARIES**					
1A/	**PRELIMINARIES**					
1A/01	Allow a lump sum for setting out of works, floor, wall and soffit marking, establish the required levels, placing of forms, level sheets, drawings etc.	N/A	1.00	item		
1A/02	Allow a lump sum for providing shop drawings, samples and mock ups, obtain the approval from the Architect, preparing and submit program of work in every site meeting and provide adequate copies, preparing of schedules, charts etc. Keep written records of site progress, materials consumption etc.		1.00	item		
1A/03	Allow a lump sum for prepare and submit "as built" drawings for civil works, Interior, plumbing, drainage, and other details required. 1 soft copy and 3 sets of hard copies handing over to the Engineer on completion of the Project.		1.00	item		
1A/04	Allow a lump sum for duties of the builder, periodical and final cleaning on completion. It is the duty of the Contractor to keep the site clean from all dust, debris and rubbish by removing from site, stack materials neatly, keep the path ways, lobbies or passages clean, and protect valuable fittings and equipment etc., in coordination with BMICH management & procedures.		1.00	item		
	TOTAL OF PRELIMINARIES CARRIED TO SUMMARY				**LKR**	

2/	**BILL NO. 02 - PROVISIONAL SUMS**					
2A/	**PROVISIONAL SUMS**					
	Rectifications					
2A/01	Allow a provisional sum for rectifications to walls if required. The contractor to provide necessary breakups prior to commence the works and approval to be obtained from the Engineer.	N/A	1.00	pro.		
	TOTAL OF PROVISIONAL SUMS CARRIED TO SUMMARY				**LKR**	
3/	**BILL NO. 03 - CIVIL AND INTERIOR WORKS**					
3A/	**FLOOR, WALL AND CEILING FINISHES**					
	Plastering					
3A/01	16mm thick cement and sand 1:5 mix plaster on brick wall or concrete surfaces to a smooth finish with ready mixed wall putty including sandpapering and cleaning the surface to receive paint. (Measured provisionally. This item to be carried out if necessary.)	N/A	0.50	m²		
3A/02	16mm thick cement and sand 1:5 mix plaster on concrete surfaces - isolated concrete beam surfaces to a smooth finish with ready mixed wall putty including sandpapering and cleaning the surface to receive paint. (Measured provisionally. This item to be carried out depending on the existing condition of the surface and to be decided by the Engineer.)		0.50	m²		
3A/03	16mm thick cement and sand 1:5 mix plaster on concrete surfaces - concrete soffit of slab surfaces to a smooth finish with ready mixed wall putty including sandpapering and cleaning the surface to receive paint. (Measured provisionally. This item to be carried out depending on the existing condition of the surface and to be decided by the Engineer.)		0.50	m²		
	Painting					
3A/04	Prepare surface and apply one coat of primer, two coats of emulsion paint on internal surfaces of existing wall plaster. Dulux or equivalent. (Refer the colour codes specified in the drawings or as approved by the Architect.)	N/A	54.50	m²		
	TOTAL OF FLOOR, WALL AND CEILING FINISHES CARRIED TO SUMMARY				**LKR**	

3B/	**WALL CLADDING**					
	Fluted wall cladding					
3B/01	139 mm wide natural finish fluted WPC wall cladding panel used as vertical wall cladding to manufacturer's specification including necessary frame work.	Detail Drawing Package Revision 2 - Drawing 009	16.50	m²		
	TOTAL OF WALL CLADDING CARRIED TO SUMMARY				**LKR**	
3C/	**PARTITIONS**					
3C/01	Partition to cover existing door which is to be closed permanently consisting of 50mm x 25mm Galvanized Iron C-Section frame to suit existing constraints, vertical and horizontal bracing members at 600mm centers, covered with 10mm thick gypsum board lining with bugle fine thread zinc phosphate coated steel drilling drywall screws including sealing the joints with 50mm wide fibre mesh tape coated with joint compound, finished to applying of ready made acrylic wall putty sand papered to smooth, one coat of filler and two coats of emulsion paint to approved / specified colour.	Detail Drawing Package Revision 2 - Drawing 001	2.50	m²		
	TOTAL OF PARTITIONS CARRIED TO SUMMARY				**LKR**	
3D/	**BLINDS & SHADING**					
	Window Blinds					
3D/01	Supply and fix to Window type W1 - 1750mm L x 2125mm H, W2 - 5000mm L x 2125mm H, custom made approved type high quality heavy duty manual operated blackout Roman blind with 100% polyester acrylic coated fabric providing light control, privacy, and easy maintenance, horizontal folds manner with all necessary accessories to manufacturer's specification. Colour Code: As per approved sample. (Measured finished area; rate shall include for rolling margins, cutting waste etc.)	FF&E Manual NUS_CERT P_10 & P_11 and drawings.	12.10	m²		
	TOTAL OF BLINDS & SHADING CARRIED TO SUMMARY				**LKR**	

3E/	**FLOOR DECK & FLOORING**					
3E/01	Raised floor consisting of 50mm x 50mm galvanized RHS frame work at 400 – 450mm spacing centers both ways, 2 layers of 25mm thick plywood sheets fixed on the frame work with metal screws. The Contractor to design to ensure the structural stability, load capacity for furniture, equipment and occupancy. Support spacing and fixing details of the raised floor system shall be verified and approval obtained from the Engineer by submitting shop drawing prior to manufacture and installation.	Detail Drawing Package Revision 2 - Drawing 008				
3E/01.1	Raised floor 150mm height.		19.00	m²		
3E/01.2	Raised floor 300mm height.		5.00	m²		
3E/02	Supply and laying of approved type loop pile carpet tile as per the manufacturer's / supplier's specification including self levelling if required, glues etc. paste on the floor and vertical surfaces of stepped areas to even finish. All the edges, corners, thresholds to be neatened and complete with best workmanship.	Detail Drawing Package Revision 2 - Drawing 003				
3E/02.1	Floor finish type FC 1 - Twisted black colour carpet tile with a simple uniform finish. Toscana - TN-5189 or equivalent.		37.50	m²		
	TOTAL OF FLOOR DECK & FLOORING CARRIED TO SUMMARY				**LKR**	

3F/	**CEILINGS**					
3F/01	Suspended flat ceiling consisting of concealed type furring suspension ceiling system, using furring bars clipped on to inter-locking hot-dipped G.I main tees and suspended using adjustable GI 4mm hanger rods with adjustable spring clips "Gyframe" or equivalent framing system MS channels to BS 7364, EN 14195, ASTM C645 or equivalent and lining with 12mm thick Gyproc of Saint Gobain or equivalent glass-fibre reinforced Fireline high-performance moisture & fire-resistant gypsum board covering in horizontal manner with forming of coves for better light reflection as per the detail with all necessary recesses to fix electrical and other accessories in the ceiling. Finished to applying of premixed wall putty, sand papered to smooth, including sealing the joints with 50mm wide metal fibre tape to EN 13963 type T ASTM D3273, coated with joint compound, apply one coat of primer, two coats of emulsion paint Dulux or equivalent (colour codes as specified in the drawings or approved by the Architect) including openings for light fittings complete as per the detail.	Detail Drawing Package Revision 2 - Drawing 004				
3F/01.1	Ceiling in Operational area. (Measured horizontal surface, rate shall include for coves and any recesses.)		35.50	m²		
	TOTAL OF CEILING CARRIED TO SUMMARY				**LKR**	

3G/	**TABLES**					
	Note: All tables to be fitted with flip top cable access and cable management. Sockets to be fitted onto modesty panel. *All tables to be fitted with a required method of cable management and all necessary framework as per the manufacturer's specification.* *All visible edges of furniture to be finished with plastic / PVC machine pressed high quality edge banding with high quality glue as per the manufacturer's specification.*					
3G/01	Custom made office table type TF-01 1300mm length x 600mm depth x 750mm height suitable for general workstation use. Tabletop in 25mm thick MDF / engineered board. Tabletop finished in dark walnut wood-grain melamine laminate. Side panels in 18mm MDF / particle board in to the full height of the table to support the tabletop. Steel support frame and cross bracing below tabletop to be provided for stability. All joints to be securely fixed and finished neatly. Scratch-resistant, easy-clean laminate surface. Drawer unit constructed in 18mm MDF / particle board with matching laminate. All exposed edges finished with matching edge banding. Manufactured as per the drawings and specification, deliver to site and place in position.	FF&E Manual NUS_CERT P_01 and Detail Drawing Package Revision 2 - Drawing 002	6.00	nr.		
3G/02	Placing in position existing table TF-02	Detail Drawing Package Revision 2 - Drawing 002	1.00	nr.		
3G/03	Custom made side cupboard type TF-02a 367mm length, 600mm depth, 760mm height to be integrated with existing executive office table manufactured in 18mm melamine-faced MDF / particle board with dark wood grain finish consisting of multi-drawer storage unit with lockable soft-close drawers and concealed handles. All exposed edges finished with matching edge banding.	FF&E Manual NUS_CERT P_03 and Detail Drawing Package Revision 2 - Drawing 002	1.00	nr.		
	TOTAL OF TABLES CARRIED TO SUMMARY				**LKR**	

3H/	**FLOOR STANDING / WALL MOUNTED STORAGE CUPBOARDS**					
	Personal storage cupboards					
3H/01	Custom-made personal storage cupboards with sliding doors. Carcass constructed in 18mm MR MDF / plywood. External surfaces, full-height side panels provide structural support to cupboard, sliding doors with concealed aluminium sliding track system, internal shelves / partitions as required for storage, finished to Dark Walnut wood-grain durable, scratch-resistant and easy-clean laminate. All exposed edges finished with matching edge banding. Soft-close sliding mechanism where applicable, complete as per the drawings and specifications.	FF&E Manual NUS_CERT P_12 and drawings.				
3H/01.1	Cupboard type PCF-01a - 1416mm length × 450mm depth × 310mm height.		1.00	nr.		
3H/01.2	Cupboard type PCF-01b - 1140mm length × 450mm depth × 460mm height.		1.00	nr.		
3H/01.3	Cupboard type PCF-01c - 1416mm length × 450mm depth × 610mm height.		1.00	nr.		
3H/02	Plant trough type PL1 overall size 610 L x 450 D x 460mm H in 18mm thick particle / MDF melamine to suit cupboards finish including plastic pots and approved type plants.	Detail Drawing Package Revision 2 - Drawing 002	1.00	nr.		
3H/03	Plant trough type PL2 overall size 610 L x 450 D x 460mm H in 18mm thick particle / MDF melamine to suit cupboards finish including plastic pots and approved type plants.		1.00	nr.		
	TOTAL OF FLOOR STANDING / WALL MOUNTED STORAGE CUPBOARDS CARRIED TO SUMMARY				**LKR**	

3J/	**CHAIRS**					
	Note: The bidder to make sure the availability of quoted and optional chairs in the market or import and deliver during the construction period.					
3J/01	Supply and place in position, office chair type CF 01 ergonomic mesh-back task chair with adjustable lumbar support and head rest, finished to nylon frame with nylon support black mesh backrest for ventilation, upholstered seat in durable black fabric finish. Seat and back to move together when reclined. 360-degree swivel mechanism. Pneumatic gas-lift height adjustment and five-star swivel base with 360-degree movements with PA castors. Adjustable arm support with rotatable pad. Ergonomic long-duration office use. (Delmage or equivalent.)	FF&E Manual NUS_CERT P_02 and Detail Drawing Package Revision 2 - Drawing 002	7.00	nr.		
	TOTAL OF CHAIRS CARRIED TO SUMMARY				**LKR**	
3K/	**SIGNAGE AND LOGOS**					
	Text Logo					
3K/01	10mm thick embossed acrylic logo and lettering in Red RAL 3020, wall-mounted with concealed fixing and rear LED backlighting, using Montserrat Bold lettering. Shop drawing and sample to be approved by the Architect prior to commence manufacture.	Detail Drawing Package Revision 2 - Drawing 009	1.00	nr.		
	TOTAL OF SIGNAGE AND LOGOS CARRIED TO SUMMARY				**LKR**	

4/	**BILL NO. 04 - ELECTRICAL INSTALLATION**					
4A/	**ELECTRICAL INSTALLATION**					
	Note: Bidders are advised to refer to the General Notes, Pricing Preambles, Drawings, Specifications, Conditions of Contract, Special Conditions of Contract and other relevant documents prior to pricing of the following items.	*N/A*				
	Note: Rates for materials / plants / equipment not approved for duty free facilities to be quoted on duty paid basis.					
	Note: The rate shall include for insurance during handling, rehandling, transport, storage, theft until ready for installation, delivery of equipment up to the point of installation and until handing over.					
	Note: Bidders shall provide all dimensions and technical information of all builders work to the Engineer in advance in relation to the programme of work.					
	Note: All connection cables, sleeves, trench joints etc. to and out of the building shall be flexible allowing a provision for any settlement or movements.					
	Note: The extent of the work as provided for in this bill of quantities shall consist of all the items covered under the Specifications.					
	Note: Rate shall include for necessary chasings, trenching, conduits, cables, cable trays, fittings and clips, cutting holes and chases in brick work / block work / concrete work complete with all necessary accessories such as sockets, connections, cable glands and boxes, hardware clips, soldering and jointing materials etc., for proper installing and laying of cables.					
	Note: Rates shall include for point wiring including supply & installation of all cables, wiring, conduiting, clips, earth cables, draw wires, brackets, ceiling roses, wooden blocks, junction boxes, switch boxes, 3 core flexible cord, bulb holders, accessories, switches, socket outlet bases/switches, all hardware fixings and insulating materials, junction boxes, fan hooks, fan hangers, connectors, cutting holes and chases and making good in all trades.					
	Note: All switches and socket outlets shall be of approved make and type and all samples of switches and socket outlets shall be submitted with necessary technical specifications to the Engineer's approval prior to installation.					
	Note: The bidders shall submit the following information on the items / equipment quoted, together with the bid:					

	(a) Make of cables, conduits, cable trays and ladders, switches, power sockets, lamp fittings, switch gear items, panels; *(b) Model No.;* *(c) Technical data (refer specification for details);* *(d) Country of manufacture;* *(e) Delivery period;* *(f) Lead time for manufacturing;* *(g) Details of all special features;* *(h) Schedule attached to specification.* *The bidders shall submit the technical information and manuals etc. in triplicate.*					
	Note: Rates for all electrical panels shall include for supply and installation of all necessary MCCBs, MCBs, EFRs, ELCBs, auxiliary contacts, volt meters, ammeters, kWh meters, indicator lamps, selector switches, inter-connecting copper bus bars, interlocks, aligning and grounding the panel, inter-connectors, internal wiring, instrument wiring loops, connecting to switch gears, cable gland lugs, steel channels and necessary hardware fixing and insulating materials with fully enclosed metal clad panels and distribution boards wherever necessary, complete as shown in drawing and complying with the specifications and relevant latest B.S. standards and I.E.E. regulations, all complete to working order to the approval of the local authorities and the Engineer.					
	Note: All electrical equipment such as MCB, MCCB, RCCB etc., all switches, socket outlets, electrical switch gear, all junction boxes, all fluorescent tubes, chokes and ceiling fans in an approved make in luxury ranges and suitable to the nature of this project and as per the specification and approval of the Engineer.					
	Note: Rates shall include for supply, installation, testing, commissioning and maintenance of the system for power and lighting according to drawings and specifications, all complete to working order and to the entire satisfaction of the Engineer.					
	Note: All the wiring work done under this contract shall conform to BS 7671:2018 - IEE Wiring Regulations 18th Edition and any other regulations stipulated by the CEB.					
	Note: Rate for point wiring shall include for all the conduits, conduit fittings, casings and fixing material for power points.					
	Note: It is requested to use only interior designer approved make for switches and socket outlets, dimmers etc.					

	Note: All cables for equipment and units designated to function under fire condition to be in fire rated cables and steel conduits as indicated and rates shall include accordingly.					
	Note: All exposed metallic items to be protected from corrosion / salty environmental conditions.					
	Note: The panel boards supplied and installed under this contract shall be complete with all the required accessories such as neutral bars, earth bars, fixing material etc.					
	Note: Standard of quality expected: Cable - Kelani Cable, ACL Cable or equivalent; Enclosures - 'Hensel' or equivalent; Panel Boards - 'KIK' or equivalent; MCCBs - 'ABB, Schneider, Terasaki / Merlin Gerin' or equivalent; MCBs - 'ABB, Schneider, Terasaki / Merlin Gerin' or equivalent.					
	Note: All equipment shall be guaranteed for a period of 12 months from the date of commissioning or date of practical completion of the project or handing over of the project, whichever is later.					
	Note: Bidders are requested to refer PREFERRED LIST OF MAKES on pricing the items in this section of work.					
	Sub Distribution Board (SDB), UPS Distribution Board (UPS DB)					
	SDB-OR					
4A/01	Supply and installation of SDB with indicator lamps, SPD, incoming and outgoing MCBs, RCCBs & all accessories to work in order, wall mounted steel powder coated (100 micron), IP54 metal enclosure with neutral link, earth bar and required accessories, all complete and type tested to IEC standard as per the specifications & drawings. Form 1, IP54. Rate shall include for submission of shop drawings and wiring diagram to the Engineer's approval.	Detail Drawing Package Revision 3 - Drawing 009-HC-26019-COB-ELE-04	1.00	Item		
	UPS DB					
4A/02	Supply and installation of UPS DB, complete with all incoming and outgoing MCBs, RCCBs, indicators etc. and any other item required to work in order, wall mounted steel powder coated, IP54 metal enclosure with neutral link, earth bar and required accessories, all complete as per the specifications & detail drawings.	Detail Drawing Package Revision 3 - Drawing 009-HC-26019-COB-ELE-04	1.00	Item		

	Main / Sub Cabling					
	Note: All cables shall be laid on cable tray / trunking / conduits as applicable and covered by tray covers etc. for mechanical protection. PVC sleeves may be used if required. Rate shall include for all necessary works / accessories such as galvanized brackets, supporting materials, fittings, nails, cable ties, earthing etc. Trays shall be of required sizes, GI powder coated and slotted, to the satisfaction of the Engineer. *Rate shall include supply, installation and termination of the following cables.*	*N/A*				
4A/03	4Cx1, 6mm² Cu/PVC/PVC + 6mm² Earth from MDB to SDB-OR on Cable Tray/Ladder/Trunking (cost of Tray/Ladder/Trunking shall be included).	Detail Drawing Package Revision 3 - Drawing 009-HC-26019-COB-ELE-04	30.00	m		
4A/04	4Cx1, 4mm² Cu/PVC/PVC + 4mm² Earth from SDB-OR to UPS-DB on Cable Trunking (cost of Trunking shall be included).		5.00	m		
4A/05	4Cx1, 4mm² Cu/PVC/PVC + 4mm² Earth from UPS-DB to UPS (Input) on Cable Tray/Ladder/Trunking (cost of Tray/Ladder/Trunking shall be included).		10.00	m		
4A/06	4Cx1, 4mm² Cu/PVC/PVC + 4mm² Earth from UPS (Output) to UPS-DB on Cable Tray/Ladder/Trunking (cost of Tray/Ladder/Trunking shall be included).		10.00	m		
4A/07	2Cx1, 6mm² Cu/PVC/PVC + 6mm² Earth from SDB-OR to Isolator for AC Outdoor Unit, enclosed in uPVC conduit.		20.00	m		
	Point Wiring & Fittings					
	Note: Rate shall include supply & installation of cable, conduits for point wiring in concealed installations including switches, power outlets, isolators etc., all as specified.	N/A				
	Light Point Wiring					
4A/08	*Note:Supply and installation of 2 x 1C x 1.5mm² PVC/PVC/Cu + 2.5mm² PVC/Cu earth cable c/w uPVC conduit, IP20 junction boxes etc. for light point wiring including switches.*	N/A				
4A/08.1	Light Points	Detail Drawing Package Revision 2 - Drawing 005 & Detail Drawing Package Revision 3 - Drawing HC-26019-COB-ELE-01,02	39.00	nr		

	Socket Outlet Wiring					
4A/09	*Note:Supply and installation of 2 x 1C x 2.5mm² PVC/PVC/Cu + 2.5mm² PVC/Cu earth cable c/w uPVC conduit, junction boxes etc. for the following socket outlet wiring*.	N/A				
4A/09.1	13A single socket outlet	Detail Drawing Package Revision 3 - Drawing HC-26019-COB-ELE-03	4.00	nr		
4A/09.2	13A UPS powered double socket outlet for Conference Tables and Workstation Desk Clusters with neon indicators		17.00	nr		
	Fixtures & Installation					
	Powder coated metal Isolators					
	Note: Supply and installation of powder-coated metal isolators complying to IEC 60947-3, BS-EN 60947-3 with all the accessories including cable termination works. *Supply and installation of 32A / 2P (IP65) Isolator for AC Outdoor Unit.*	N/A				
4A/10	Supply & installation of fittings	Detail Drawing Package Revision 3 - Drawing HC-26019-COB-ELE-03	1.00	nr		
	Socket Outlet					
	Note: Rate shall include supply and installation of socket outlets as per the drawings and specification.	N/A				
4A/11	13A single socket outlet	Detail Drawing Package Revision 3 - Drawing HC-26019-COB-ELE-03	4.00	nr		
4A/12	13A UPS powered double socket outlet for Conference Tables and Workstation Desk Clusters with neon indicators		17.00	nr		

	Lighting Fixtures					
	Note: Rate shall include supply and installation of following lighting fixtures, fixed in position including all fixing accessories, supports and connect to power, subject to the following conditions. All light fittings to be used for this project shall be LED type. Harmonic levels of all light fittings shall be maintained below the expected values given in IEEE 519. *(1) All bathroom light fixtures shall be IP65.* *(2) Light fitting details in the Electrical Light point detail, Legend & General Notes shall be followed prior to pricing.* *(3) As a standard of quality light fittings shall be Philips, NVC, LEDVANCE (OSRAM), THORN or approved equivalent. If deviating, more than 5-year local reference to be given.*	N/A				
4A/13	10W, 1000Lm, 4000K LED Down Light					
4A/13.1	Supply of fittings	Detail Drawing Package Revision 3 - Drawing HC-26019-COB-ELE-01	30.00	nr		
4A/13.2	Installation of fittings		30.00	nr		
4A/14	6W/m Recessed Linear Step Light					
4A/14.1	Supply of fittings	Detail Drawing Package Revision 3 - Drawing HC-26019-COB-ELE-02	20.00	m		
4A/14.2	Installation of fittings		20.00	m		
4A/15	6W/m Recessed Strip Light - Feature Wall					
4A/15.1	Supply of fittings	Detail Drawing Package Revision 3 - Drawing HC-26019-COB-ELE-01	12.00	m		
4A/15.2	Installation of fittings		12.00	m		

	Emergency Light Fittings					
4A/16	Providing 180-minute minimum battery backup type emergency light, 2 x 10W double head fixtures as per the drawing.					
4A/16.1	Supply of fittings	Detail Drawing Package Revision 3 - Drawing HC-26019-COB-ELE-01	1.00	nr		
4A/16.2	Installation of fittings		1.00	nr		
	Testing and Commissioning					
4A/17	Allow for testing and commissioning of the systems on completion as per the specifications by a Chartered Engineer registered with the CEB including submission of 3 nos test reports etc.	N/A	1.00	Item		
	Any Other Item					
4A/18	Allow for coordination drawings incorporating other services.	N/A	1.00	Item		
4A/19	Allow a contingency sum - provisional	N/A	1.00	P.Sum		
	TOTAL OF ELECTRICAL INSTALLATION CARRIED TO SUMMARY				**LKR**	
5/	**BILL NO. 05 - EXTRA LOW VOLTAGE SYSTEMS**					
5A/	**LOCAL AREA NETWORK SYSTEM (LAN)**					
	Note: The bidders are requested to refer Bill of Quantities Pricing Preambles, General Notes, Conditions of Sub Contract, Conditions of Particular Applications, Appendix to the Sub Contractor's Offer, Design Drawings, Existing MEP Services Drawings, Architectural Drawings and Specification and other relevant documents related to this bid prior to pricing of the following items.	N/A				
	Note: The bidder shall provide a schedule of all builder's work in connection with details of such items as necessary, along with the bid.					
	Note: The bidder shall provide all dimensions and technical information of all necessary builder's work to the Engineer in advance, in relation with the programme of work.					
	Note: BOQ given below is only for guidance. If any items are required to operate the above system for the intended purpose, it is the sole responsibility of the bidder to include prices of those items in the bid price.					

	Note: All equipment shall be guaranteed for a period of 12 months from the date of commissioning or date of practical completion of the project or handing over of the project, whichever is later.					
	Note: The bidder shall submit the following information on the items quoted for together with the bid: *1. Make;* *2. Model Nr;* *3. Technical data (refer specification for details);* *4. Country of manufacture;* *5. Delivery period;* *6. Lead time for manufacturing;* *7. Port of shipping;* *8. CIF value of each item in foreign currency;* *9. Optional items and their additional cost (additional cost to be submitted separately);* *10. Details of all special features.*					
	Fibre Backbone System					
	Note: Supply, installation, termination, testing and commissioning of 8-core multimode OM3 indoor fibre-optic cables for the LAN system, laid through cable trays / trunking / conduits and including all required termination accessories, connectors, labels and associated materials, complete as per the drawings and technical specifications. All 8 cores shall be terminated at both ends.	N/A				
5A/01	8-core multimode OM3 indoor fibre-optic cable from Existing Central Server Data Equipment Rack to Data Equipment Racks in Office.	FF&E Manual NUS_CERT Annex 8	100.00	m		
	Structured Cabling					
	Note: All Cat.6 data points shall include supply, installation, termination, labelling and certification testing of 4-pair Cat.6 UTP cabling complete with Cat.6 keystone jack, faceplate where applicable, patch-panel termination, patch cords, PVC/GI conduits/trunking and all associated accessories. *All Cat.6 permanent links shall be 100% certification tested using an approved cable certification tester, and test reports shall be submitted.*	N/A				

5A/02	Data Outlets and Point Wiring					
5A/02.1	Operational room.	FF&E Manual NUS_CERT Annex 9,9.1,12	11.00	Nr.		
5A/03	Point Wiring for WiFi Access Points					
5A/03.1	Operational room.	FF&E Manual NUS_CERT Annex 9,9.1,11	1.00	Nr.		
5A/04	Data Point Wiring for Card Reader and Fingerprint Machine					
5A/04.1	Operational room.	FF&E Manual NUS_CERT Annex 9,9.1	1.00	Nr.		
	Data Equipment Server Rack - 2nd Floor					
	Note: Supply and installation of DATA Equipment Rack (Powder Coated Zn / Aluminium), Rack Mount Power Panel, Fan Modules, Perforated front and back doors and necessary quantities of the following accessories.	N/A				
	Passive Components					
5A/05	Wall-mount enclosure 22U 19" with lockable door, 1 nr. fixed tray, fan plate & included 6-way Power Distribution Unit.	FF&E Manual NUS_CERT Annex 4	1.00	Nr.		
5A/06	8 Port Fibre patch panels.	FF&E Manual NUS_CERT Annex 7	1.00	Nr.		
5A/07	50/125 µm Multimode Fibre LC-to-LC 1m Patch Cord (OM3).	FF&E Manual NUS_CERT Annex 10	6.00	Nr.		
5A/08	50/125 µm Multimode Fibre LC-to-LC 10m Patch Cord (OM3).	FF&E Manual NUS_CERT Annex 13	1.00	Nr.		
5A/09	24 port CAT6 patch panels.	FF&E Manual NUS_CERT Annex 5	1.00	Nr.		
5A/10	0.5m Patch leads - CAT 6, Unshielded.	FF&E Manual NUS_CERT Annex 11	25.00	Nr.		

5A/11	1U Cable management panels and all cable management accessories.	FF&E Manual NUS_CERT Annex 6	1.00	Nr.		
5A/12	Supply and installation 1kVA Online UPS, full load backup for 10 minutes.	FF&E Manual NUS_CERT Annex 1	1.00	Nr.		
	Note: Any other item necessary for the satisfactory completion. (Main equipment in the CCTV section such as NVR / VMS Server / Decoder etc. should be installed inside the core rack. If 1 nos of 22U rack with 30% spare, adequate rack quantity should be provided by the contractor.)	N/A				
	Active Components					
5A/13	L2 Switch including 24 x 10/100/1000 Mbps RJ45 PoE ports and 4 x 10G SFP+ uplink ports (370W) with 2 x 10G SFP+ transceiver modules per switch.	FF&E Manual NUS_CERT Annex 2	1.00	Nr.		
5A/14	10G SFP+ Transceiver modules for Core switch.	FF&E Manual NUS_CERT Annex 14	1.00	Nr.		
	Note: Quantity of all the active equipment should be obtained by the contractor by referring to the specifications for the satisfactory installation.	N/A				
5A/15	Wireless Access Points - Indoor (Ceiling / Wall Mounted)					
5A/15.1	Operational room.	FF&E Manual NUS_CERT Annex 3	1.00	Nr.		
	Cable Management System					
5A/16	Supply and installation of 50x50mm powder coated floor trunking with necessary accessories.	N/A	18.00	m		
5A/17	Supply and installation of 50x50mm powder coated cable tray with lid and necessary accessories.	N/A	17.00	m		
	Any Other Items					
	Allow for any other item not specified herein, but either shown in drawings and as per specification or as required nearest to the condition given, and / or to fulfil relevant BS and local requirements or any other item necessary for the satisfactory completion of the SCS/LAN System. (If any, to be itemized.)	N/A	1.00	Item	N/A	
	Testing and Commissioning					

	Testing, certification and commissioning of the complete structured cabling infrastructure including :					
	Copper Permanent Link Testing:					
5A/18	Testing and certification of horizontal Cat6 UTP permanent links using a calibrated Level IIIe/2G cable analyzer (e.g., Fluke Networks DSX series) in compliance with ANSI/TIA-568 / ISO 11801 standards, including submission of certified test reports.	FF&E Manual NUS_CERT Annex 9	1.00	Item		
	Fibre Optic Backbone Testing:					
5A/19	Tier-1 testing of 8-core fibre optic backbone link between Main Server Rack and Office Floor Rack using Optical Light Source and Power Meter (OLTS/LSPM) for light attenuation loss (dB), continuity and polarity verification.	FF&E Manual NUS_CERT Annex 8	1.00	Item		
	Documentation:					
5A/20	Labelling verification, port mapping, and submission of comprehensive certified test reports (LinkWare/PDF format) along with final as-built cabling layout documentation.	N/A	1.00	Item		
5A/21	As-built drawings, shop drawings, testing and commissioning, providing operation and maintenance manual. (3 copies of each)	N/A	1.00	Item		
	TOTAL FOR LOCAL AREA NETWORK SYSTEM (LAN) CARRIED TO SUMMARY				**LKR**	

5B/	**CLOSED CIRCUIT TV SYSTEM (CCTV)**					
	Note: The bidders are requested to refer Bill of Quantities Pricing Preambles, General Notes, Conditions of Sub Contract, Conditions of Particular Applications, Appendix to the Sub Contractor's Offer, Design Drawings, Existing MEP Services Drawings, Architectural Drawings and Specification and other relevant documents related to this bid prior to pricing of the following items.	N/A				
	Note: The bidder shall provide a schedule of all builder's work in connection with details of such items as necessary, along with the bid.					
	Note: The bidder shall provide all dimensions and technical information of all necessary builder's work to the Engineer in advance, in relation with the programme of work.					
	Note: BOQ given below is only for guidance. If any items are required to operate the above system for the intended purpose, it is the sole responsibility of the bidder to include prices of those items in the bid price.					
	Note: All equipment shall be guaranteed for a period of 12 months from the date of commissioning or date of practical completion of the project or handing over of the project, whichever is later.					
	Note: The bidder shall submit the following information on the items quoted for together with the bid: *1. Make;* *2. Model Nr;* *3. Technical data (refer specification for details);* *4. Country of manufacture;* *5. Delivery period;* *6. Lead time for manufacturing;* *7. Port of shipping;* *8. CIF value of each item in foreign currency;* *9. Optional items and their additional cost (additional cost to be submitted separately);* *10. Details of all special features.*					
	Note: The CCTV system shall be a basic standalone IP CCTV system comprising four IP cameras, one 8-channel PoE NVR and one surveillance-grade HDD. CCTV display shall be provided through the Operational Room Video Wall system, with HDMI cabling and associated display infrastructure covered under the AV System BOQ.					

	2MP Fixed Lens Indoor Dome Camera					
5B/01	Supply and installation of 2MP IP fixed-lens indoor dome camera, complete with IR illumination where required, WDR, H.265/H.265+ compression, PoE network interface, mounting accessories, connectors and all necessary accessories, fully compatible with the proposed NVR system.					
5B/01.1	Operational room.	FF&E Manual NUS_CERT Annex 15 & Detail Drawing Package Revision 3 - Drawing HC-26019-COB-ELV-01	1.00	Nr.		
5B/01.2	Office room.		1.00	Nr.		
	4MP Fixed Lens Outdoor Bullet Camera					
5B/02	Supply and installation of 4MP IP fixed-lens outdoor bullet camera, complete with IR illumination, WDR, H.265/H.265+ compression, PoE network interface, minimum IP66 weatherproof housing, mounting brackets, connectors and all necessary accessories, fully compatible with the proposed NVR system.					
5B/02.1	Operational room corridor.	FF&E Manual NUS_CERT Annex 15 & Detail Drawing Package Revision 3 - Drawing HC-26019-COB-ELV-01	1.00	Nr.		
5B/02.2	Office room corridor.		1.00	Nr.		

	Supply and Installation of CCTV Point Wiring					
5B/03	Supply, installation, termination and labelling of CCTV network points complete with Cat.6 UTP cable drawn through securely fixed PVC/GI conduits, connectors, patch cords, junction boxes and all necessary accessories. All surface-mounted conduits in exposed areas shall be GI.	FF&E Manual NUS_CERT Annex 9,9.1	4.00	Nr.		
	Supply, Installation and Configuration of Equipment Related to the CCTV Recording Station and Monitoring Station					
5B/04	Supply and installation of an 8-channel standalone IP NVR suitable for a basic CCTV surveillance system, complete with minimum 8 integrated PoE camera ports, H.265+/H.265 compression, support for the specified 2MP and 4MP cameras, minimum 1 x SATA HDD interface, HDMI and VGA outputs, continuous / scheduled / motion-based recording, local and remote viewing facilities, standard manufacturer power supply, mouse and all necessary accessories.	FF&E Manual NUS_CERT Annex 15	1.00	Item		
5B/05	Supply and installation of 3.5-inch SATA surveillance-grade HDD suitable for continuous 24/7 CCTV recording. Capacity shall be selected to provide the specified recording retention period for all cameras. (6TB storage hard disk.)		1.00	Item		
	Interface to Operational Room Video Wall					
	Note: Allow for configuration of the CCTV NVR HDMI output for connection to the Operational Room Video Wall system. *HDMI cabling, HDMI extenders, video wall processor, display equipment and associated AV infrastructure shall be covered under the AV System BOQ.*	Detail Drawing Package Revision 3 - Drawing HC-26019-COB-ELV-01				
	Any Other Items					
5B/06	Allow for any other item not specified herein, but either shown in drawings and as per specification or as required nearest to the condition given, and / or to fulfil relevant BS and local requirements or any other item necessary for the satisfactory completion of the CCTV System. (If any, to be itemized.)	N/A	1.00	Item	N/A	

	Testing & Commissioning of the System					
	Copper Permanent Link Testing:					
5B/07	Testing and certification of horizontal Cat6 UTP permanent links using a calibrated Level IIIe/2G cable analyzer (e.g., Fluke Networks DSX series) in compliance with ANSI/TIA-568 / ISO 11801 standards, including submission of certified test reports.	FF&E Manual NUS_CERT Annex 9	1.00	Item		
5B/08	Complete configuration, testing and commissioning of the CCTV system including camera image quality, field of view, day/night operation, IR/WDR operation, PoE/network connectivity, NVR recording and playback, storage verification, remote viewing, time synchronisation and submission of test records.	FF&E Manual NUS_CERT Annex 15	1.00	Item		
5B/09	As-built drawings, shop drawings, technical catalogues, testing and commissioning, providing operation and maintenance manual. (3 copies of each)	N/A	1.00	Item		
	TOTAL OF CLOSED CIRCUIT TV SYSTEM (CCTV) CARRIED TO SUMMARY				**LKR**	
5C/	**ACCESS CONTROL SYSTEM**					
	Note: The bidders are requested to refer Bill of Quantities Pricing Preambles, General Notes, Conditions of Sub Contract, Conditions of Particular Applications, Appendix to the Sub Contractor's Offer, Design Drawings, Existing MEP Services Drawings, Architectural Drawings and Specification and other relevant documents related to this bid prior to pricing of the following items.	N/A				
	Note: The bidder shall provide a schedule of all builder's work in connection with details of such items as necessary, along with the bid.					
	Note: The bidder shall provide all dimensions and technical information of all necessary builder's work to the Engineer in advance, in relation with the programme of work.					
	Note: BOQ given below is only for guidance. If any items are required to operate the above system for the intended purpose, it is the sole responsibility of the bidder to include prices of those items in the bid price.					
	Note: All equipment shall be guaranteed for a period of 12 months from the date of commissioning or date of practical completion of the project or handing over of the project, whichever is later.					
	Note: The bidder shall submit the following information on the items quoted					

	for together with the bid: *1. Make;* *2. Model Nr;* *3. Technical data (refer specification for details);* *4. Country of manufacture;* *5. Delivery period;* *6. Lead time for manufacturing;* *7. Port of shipping;* *8. CIF value of each item in foreign currency;* *9. Optional items and their additional cost (additional cost to be submitted separately);* *10. Details of all special features.*					
	Supply and Installation of Door Access Control Entry Readers with Accessories (EACS Panel Reader or Intelligent Readers)					
	Note: Door Control Entry Reader (Finger / Card) for double / single door. *Entry Reader:* *(a) contactless card. Exit:* *(b) exit push button switch. Emergency exit:* *(c) break glass. Locking system:* *(d) magnetic door lock / drop bolt.* *The access control works shall include access reader, exit push button, emergency break-glass unit, magnetic door lock / drop bolt, lock power supply with battery backup, associated power / control cabling and all accessories required for complete operation of each controlled door.* *The proposed access control system shall be an extension of the existing access control system. The door control readers shall be ZKTeco F18 / F18-ID as required for compatibility with the existing system. The contractor shall provide all required interfaces, licences, programming, configuration and accessories necessary for complete integration and operation.*	N/A				
	Access Reader (Finger + Card)					
5C/01	Supply and installation of fingerprint and contactless smart-card access reader, complete with mounting accessories, connectors and all necessary hardware. Reader shall be fully compatible with the existing Access Control System and associated software.					
5C/01.1	Operational room.	FF&E Manual NUS_CERT Annex 16	1.00	Nr		

	Exit Push Button Switch					
5C/02	Supply and installation of exit push-button switch complete with mounting plate, wiring terminals and all associated accessories.					
5C/02.1	Operational room.	FF&E Manual NUS_CERT Annex 16	1.00	Nr		
	Break Glass Units					
5C/03	Supply and installation of resettable emergency door-release break-glass unit complete with mounting box, wiring terminals and all necessary accessories.					
5C/03.1	Operational room.	FF&E Manual NUS_CERT Annex 16	1.00	Nr		
	Magnetic Door Lock / Drop Bolt					
5C/04	Supply and installation of electromagnetic lock or electric drop bolt, selected to suit the respective door construction and life-safety requirements, complete with armature plates, brackets, fixing accessories, door loops where required and all necessary hardware.					
5C/04.1	Operational room.	FF&E Manual NUS_CERT Annex 16	1.00	Nr		
	Lock Power Supply with Battery Backup					
5C/05	Supply and installation of access control power supply unit complete with 12V DC output, battery charger, metallic enclosure, protection devices and rechargeable backup battery suitable for operation of the door lock and associated access control devices during mains interruption.	FF&E Manual NUS_CERT Annex 16	1.00	Item		
	Cabling Works					
	Note: Network cabling is provided under LAN BOQ.	N/A				
5C/06	Supply and installation of all required low-voltage power and control cabling between the access control reader, electromagnetic lock, exit push button, break-glass unit and power supply, complete with conduits / trunking, junction boxes, termination and labelling.	FF&E Manual NUS_CERT Annex 16	1.00	Nr		

	Integration with Existing Access Control System					
5C/07	Configuration and integration of the new access control readers with the existing Access Control System / software, including device addition, network configuration and all required programming / configuration for complete operation.	N/A	1.00	Item		
	Any Other Items					
5C/08	Allow for any other item not specified herein, but either shown in drawings and as per specification or as required nearest to the condition given, and / or to fulfil relevant BS and local requirements or any other item necessary for the satisfactory completion of the ACS System. (If any, to be itemized.)	N/A	1.00	Item	N/A	
	Testing and Commissioning					
5C/09	Testing, configuration and commissioning of the complete Access Control System, including verification of readers, locks, exit devices, emergency release, communication and integration with the existing Access Control System, complete with functional demonstration to the client.	FF&E Manual NUS_CERT Annex 16	1.00	Item		
5C/10	As-built drawings, shop drawings, testing and commissioning, providing operation and maintenance manual. (3 copies of each)	N/A	1.00	Item		
	TOTAL FOR ACCESS CONTROL SYSTEM CARRIED TO SUMMARY				**LKR**	
5D/	**AUDIO VISUAL SYSTEM (AV)**					
	Note: The bidders are requested to refer Bill of Quantities Pricing Preambles, General Notes, Conditions of Sub Contract, Conditions of Particular Applications, Appendix to the Sub Contractor's Offer, Design Drawings, Existing MEP Services Drawings, Architectural Drawings and Specification and other relevant documents related to this bid prior to pricing of the following items.	N/A				
	Note: The bidder shall provide a schedule of all builder's work in connection with details of such items as necessary, along with the bid.					
	Note: The bidder shall provide all dimensions and technical information of all necessary builder's work to the Engineer in advance, in relation with the programme of work.					
	Note: BOQ given below is only for guidance. If any items are required to operate the above system for the intended purpose, it is the sole responsibility of the bidder to include prices of those items in the bid price.					

	Note: All equipment shall be guaranteed for a period of 12 months from the date of commissioning or date of practical completion of the project or handing over of the project, whichever is later.					
	Note: The bidder shall submit the following information on the items quoted for together with the bid: *1. Make;* *2. Model Nr;* *3. Technical data (refer specification for details);* *4. Country of manufacture;* *5. Delivery period;* *6. Lead time for manufacturing;* *7. Port of shipping;* *8. CIF value of each item in foreign currency;* *9. Optional items and their additional cost (additional cost to be submitted separately);* *10. Details of all special features.*					
	HDMI Video Wall Cabling and Distribution System					
	HDMI Workstation Connection Point					
5D/01	Supply and installation of HDMI workstation connection point comprising desk-mounted HDMI outlet, faceplate / back box, high-speed 4K HDMI cabling to the central HDMI patch panel, HDMI patch cord and USB Type-C to HDMI 4K adapter, complete with connectors, termination, identification and all necessary accessories.	FF&E Manual NUS_CERT Annex 17,Detail Drawing Package Revision 3 - Drawing HC-26019-COB-ELV-01	6.00	Nr		

	CCTV NVR HDMI Connection					
5D/02	Supply and installation of active copper HDMI cable from the CCTV NVR to the HDMI patch panel, suitable for long-distance transmission of HDMI video and audio signals and supporting minimum 4K UHD resolution, HDCP and EDID communication, complete with integrated signal amplification / equalization, HDMI connectors, identification and all necessary accessories. The active HDMI cable shall be selected and installed in accordance with the manufacturer's specified signal direction and certified maximum transmission distance for the required 4K signal performance.	FF&E Manual NUS_CERT Annex 17,Detail Drawing Package Revision 3 - Drawing HC-26019-COB-ELV-01	1.00	Nr		
	Any Other Items					
5D/03	Allow for any other item not specified herein, but either shown in drawings and as per specification or as required nearest to the condition given, and / or to fulfil relevant BS and local requirements or any other item necessary for the satisfactory completion of the Multimedia & Audio Systems. (If any, to be itemized.)	N/A	1.00	Nr	N/A	
	Testing & Commissioning					
5D/04	Testing and commissioning of all HDMI links up to the HDMI patch panel, including continuity verification, 4K signal verification and identification / labelling of each source connection.	FF&E Manual NUS_CERT Annex 17	1.00	Item		
5D/05	As-built drawings, shop drawings, testing and commissioning, providing operation and maintenance manual. (3 copies of each)	N/A	1.00	Item		
	TOTAL OF AUDIO VISUAL SYSTEM (AV) CARRIED TO SUMMARY				**LKR**	

6/	**BILL NO. 06 - AIR CONDITIONING SYSTEM**					
6A/	**AIR CONDITIONING & VENTILATION SYSTEM**					
	Note 1: Allow for all cost of supply including CIF, CID, PAL, NBT, clearing charges, transport charges, lifting and erection, factory test, site testing, commissioning as per specification and drawings and profits etc.	N/A				
	Note 2: Allow for cost of providing security bonds, guarantees, insurance of personnel, property, material against accidents, damage, trespass or theft.					
	Note 3: Allow for the cost of all temporary works such as scaffolding, associated civil and electrical works related to the installation of Air Conditioning System and other ancillary services such as removing, modifying and re-fixing of ceiling, glasses and windows, drilling of suitable holes in walls and concrete slabs, breaking of any parts of walls and finishing works of the same such as plastering, painting etc., electrical power / control wiring, services connections etc.					
	Note 4: Prior to pricing, the bidders are requested to study the technical specifications, terms and conditions of the contract, drawings, site visit etc. of these items and familiarize with the full scope of work.					
	Note 5: Prices quoted shall be for the complete and fully functioning system. The BOQ items are only for major equipment and the quoted price shall include for all the necessary items for the complete and fully functioning system. If the bidder feels that certain items are required for full functioning of the system, which are not categorized in any BOQ item, it shall be specified and included.					
	Inverter Split Type Air Conditioning Units					
6A/01	Supply and installation of inverter split type air conditioning unit consisting of ceiling suspended type direct expansion fan coil unit in combination with air cooled condensing outdoor unit, having the following minimum cooling capacity, complete with refrigerant pipes, insulation, wiring, drain pipes, PVC casing, mounting brackets and other necessary ancillary items as specified in drawings. Refrigerant shall be R134a, R407c, R410a or R32. Cooling Capacity: 36,000 Btu/hr.	FF&E Manual NUS_CERT Annex 18				

6A/01.1	Supply Cost		1.00	Nos.		
6A/01.2	Installation Cost		1.00	Nos.		
6A/02	Any other items deemed necessary for proper functioning of the systems as indicated in the specification and drawings.		1.00	Item		
6A/03	Testing and commissioning of the air conditioning and ventilation system as specified and including measurement and verifications by using proper test equipment, chemical flushing of the system.		1.00	Item		
	TOTAL OF AIR CONDITIONING & VENTILATION SYSTEM CARRIED TO SUMMARY				**LKR**	
	BILL NO. 07 - FIRE DETECTION SYSTEM					
7A/	**FIRE DETECTION SYSTEM**					
	Note: *1. The tenderers are requested to refer the general notes, pricing preambles, drawings, specifications, conditions of contract, special conditions of contract and all other relevant documents prior to pricing of the following items.*	N/A				
	Note: *2. Submission of 3 sets of shop drawings for each section measured under this bill for Engineer's approval has been allowed under preliminaries.*					
	Note: *3. Submission of 3 sets of as-built drawings on completion for each section measured under this bill has been allowed under preliminaries.*					
	Note: *4. All equipment shall be guaranteed for a period of 12 months from the date of commissioning or date of practical completion of the project or handing over of the project, whichever is later.*					
	Note: *5. The rate shall include for insurance during handling, rehandling, transport, storage until ready for installation, delivery of equipment up to the point of installation and until handing over.*					
	Note: *6. The rates shall include for comprehensive maintenance during defects liability period of 12 months from the date of handing over.*					
	Note: *7. Rate shall include for design (where necessary), supply, install, commissioning of fire system as per specifications and complete to working order with all connections to the entire satisfaction of the Engineer / Consultant including training of Employer's staff.*					
	Note:					

	8. The bidder shall submit the following information on the items quoted for together with the bid: *1. Make;* *2. Model Nos.;* *3. Technical data (refer specification for details);* *4. Country of manufacture;* *5. Delivery period;* *6. Lead time for manufacturing;* *7. Port of shipping;* *8. CIF value of each item in foreign currency;* *9. Optional items and their additional cost (additional cost to be submitte d separately);* *10. Details of all special features.*					
	Note: *9. Fire protection, detection and fighting system to be carried out by a specialist experienced sub-contractor acceptable to the Engineer.*					
	Note: *10. All fire equipment to be in makes approved by the Fire Services Department.*					
	Note: *11. Contractor is responsible to obtain the approval and fire certificate from Fire Services Department after completion of work.*					
	Note: *12. All cables and pipes shall be of approved make to withstand fire conditions as per specification, whether measured and specified separately or not.*					
	Note: *13. All items shall be compatible with the existing main fire alarm control panel and the fire detection system.*					
	Note: *14. All fire rated floor and wall penetrations shall be properly protected from fire, smoke and water penetration by filling voids between pipe and wall / floor sleeves with fire rated foam to achieve the same rating as walls or floors.*					

	Fire Detection System					
	Note: Rate shall include for supply, install, testing and commissioning of Fire Detection System as per the BOQ and drawings and complete to working order with all connections to the entire satisfaction of the Engineer / Consultants. Rates shall include all required items such as power supply units, power connections, brackets & supports, conduits etc. and the system shall work as per BS and Fire Services Department regulations / requirements after installation is complete. Each and every item in the system shall be properly tested and verified for operation and functionality to ensure that the system complies with fire detection system installation standards. Rate shall include training of owner's staff. All devices shall be fully integrated to communicate with each other and with the existing main fire alarm control panel and the existing fire detection system.	N/A				
	Note: Rate shall include supply and installation cost of fire detection system wiring for detection signal including necessary minimum 1.5mm² fire resistant cable, conduits etc. Rate shall include all cables relevant to other MEP services integration like PA system, EACS, ventilation system etc. to the main fire alarm panel to working order as per BOQ and drawings. Number and size of conductors shall be as recommended by the fire alarm system manufacturer, but not less than 1.5mm². Supply and installation cost for all riser cables also included under these items.					
FD/01	Supply and installation of fire detection system wiring for detection signal including necessary minimum 1.5mm² fire resistant cable, conduits etc. Rate shall include all cables from devices to panel, connecting them to the main fire alarm panel and interfacing of other services to the main fire alarm panel to working order as per BOQ and drawings.		1.00	Item		
	Note: If required, loop can be extended from the existing adjacent detector or manual call point etc. No joints allowed except within the detection devices / system components. All external joints (if used) shall be within GI junction boxes with ceramic terminal blocks.	N/A				
	Fire Detection and Alarm Devices					
	Note: Supply and installation of below devices / items with all required bases and including all other necessary accessories required for connecting them to the main fire alarm panel / power supply unit / connection to working order as per BOQ and technical specifications. All items shall be listed.	N/A				

FD/03	Addressable Photoelectric type Smoke Detector		2.00	No		
	Authority Approvals					
FD/07	*Note: Allow for the cost of obtaining approvals for Fire Detection System design prior to installation and final certification from Fire Services Department after installation.*	N/A				
	Testing & Commissioning					
FD/08	Allow for testing and commissioning the system and confirming each and every device in the system is in operation according to the technical requirements. Submission of 3 sets of test reports and commissioning sheets.	N/A	1.00	Item		
	Builder's Work					
FD/09	Allow for all builder's work for fire detection system including all necessary works & other civil construction works.	N/A	1.00	Item		
	As-Built Drawings					
FD/10	Allow for submission of 3 sets of as-built drawings and e-copies, technical information and manuals.	N/A	1.00	Item		
	Others					
FD/11	Allow for submission of shop drawings (both hard copies and soft copies), technical literature of equipment and samples as instructed by the Engineer.	N/A	1.00	Item		
FD/12	Allow for providing interface with existing main fire alarm control panel.	N/A	1.00	Item		
	Any Other Item					
	Allow for any other item not specified herein, but required for satisfactory operation of the fire detection system.	N/A				
	TOTAL OF FIRE DETECTION SYSTEM CARRIED TO SUMMARY				**LKR**	

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/ Non-Compliance specification sheets will strongly lead to the disqualification of the bidder without getting any clarifications.

Refer to the FF & E Manual for complete technical specification.

Section 08

PRICE SCHEDULE

Ref	Description	Deno.	Amount (LKR)
1/	**BILL NO. 01 - PRELIMINARIES**		
1A/	PRELIMINARIES	LKR	
2/	**BILL NO. 02 - PROVISIONAL SUMS**		
2A/	PROVISIONAL SUMS	LKR	
3/	**BILL NO. 03 - CIVIL AND INTERIOR WORKS**		
3A/	FLOOR, WALL AND CEILING FINISHES	LKR	
3B/	WALL CLADDING	LKR	
3C/	PARTITIONS	LKR	
3D/	BLINDS & SHADING	LKR	
3E/	FLOOR DECK & FLOORING	LKR	
3F/	CEILINGS	LKR	
3G/	TABLES	LKR	
3H/	FLOOR STANDING / WALL MOUNTED STORAGE CUPBOARDS	LKR	
3J/	CHAIRS	LKR	
3K/	SIGNAGE AND LOGOS	LKR	
	TOTAL OF INTERIOR WORKS	**LKR**	
4/	**BILL NO. 04 - ELECTRICAL INSTALLATION**		
4A/	ELECTRICAL INSTALLATION	LKR	
5/	**BILL NO. 05 - EXTRA LOW VOLTAGE SYSTEMS**		
5A/	LOCAL AREA NETWORK SYSTEM (LAN)	LKR	
5B/	CLOSED CIRCUIT TV SYSTEM (CCTV)	LKR	
5C/	ACCESS CONTROL SYSTEM	LKR	
5D/	AUDIO VISUAL SYSTEM (AV)	LKR	
	TOTAL OF EXTRA LOW VOLTAGE SYSTEMS	**LKR**	
6/	**BILL NO. 06 - AIR CONDITIONING SYSTEM**		
6A/	AIR CONDITIONING & VENTILATION SYSTEM	LKR	
7/	**BILL NO. 07 - FIRE DETECTION SYSTEM**		
7A/	FIRE DETECTION SYSTEM	LKR	
	GRAND TOTAL CARRIED TO FORM OF BID	**LKR**	
	SSCL 3%	**LKR**	
	TOTAL WITH SSCL	**LKR**	
	VAT 18%	**LKR**	
	TOTAL WITH TAXES	**LKR**	

User Acceptance Test

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

Signature of the Bidder

Name of the Bidder

Company Seal:

Date:

Section 09 – Drawings

Refer to the Detail Drawing Package Revision 2 & 3(Annexure 1)