



## **BIDDING DOCUMENT**

**FOR**

**Supply, Installation & Commissioning of Computers and  
Accessories to  
National Building Research Organisation**



**NBRO/PU/PRO/18/006**

**NATIONAL BUILDING RESEARCH ORGANISATION  
MINISTRY OF IRRIGATION AND WATER RESOURCES & DISASTER MANAGEMENT  
99/1, JAWATTA ROAD, COLOMBO 5.**

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## Section II. Bidding Data Sheet (BDS)

The following specific data for the goods to be procured shall complement, supplement, or amend the provisions in the Instructions to Bidders (ITB). Whenever there is a conflict, the provisions herein shall prevail over those in ITB.

ITB Clause Reference	A. General
ITB 1.1	The Purchaser is: <b>National Building Research Organisation</b>
ITB 1.1	<p>The name and identification number of the Contract are: <b>Supply, Installation and Commissioning of Computers &amp; Accessories for National Building Research Organisation.</b></p> <p>The number, identification and names of the lots comprising this procurement are: <b>NBRO/PU/PRO/18/006</b></p>
ITB 2.1	The source of funding is: <b>Government of Sri Lanka</b>
ITB 4.4	Foreign bidders <i>are not allowed to participate in bidding.</i>
	B. Contents of Bidding Documents
ITB 7.1	<p>For <u>Clarification of bid purposes</u> only, the Purchaser's address is:</p> <p>Attention: Ms. Malithi De Silva, Scientist/IT</p> <p>Address: National Building Research Organization, 99/1, Jawatta Road, Colombo 05.</p> <p>Telephone: 011-2588946</p> <p>Facsimile number: 011-2502611</p> <p>Electronic mail address: <a href="mailto:nbro@slt.net.lk">nbro@slt.net.lk</a></p>
	C. Preparation of Bids
ITB 11.1 (e)	<p>The Bidder shall submit the following additional documents:</p> <ol style="list-style-type: none"> <li>1. <i>Certificate of Business registration or incorporation of the company (Certified Copy);</i></li> <li>2. <i>Manuals of Lab/Field Equipment' and Accessories</i></li> </ol>
ITB 14.3	The bidders may quote following minimum quantities:

	Bidders are not allowed to quote less than 2 items
<b>ITB 15.1</b>	The bidder shall quote the local expenditure in Sri Lankan Rupees.
<b>ITB 17.3</b>	Period of time the Goods are expected to be functioning (for the purpose of spare parts): 05 years
<b>ITB 18.1 (b)</b>	After sales service is: required
<b>ITB 19.1</b>	The bid shall be validity until <b>21.10.2018</b> . (120 days from date of bid opening)
<b>ITB 20.1</b>	(a) Bid shall include a Bid Security (issued by bank acceptable to Central Bank of Sri Lanka) included in Section IV Bidding Forms
<b>ITB 20.2</b>	<p>The amount of the Bid Security shall be: <b>Rs. 50,000.00</b></p> <p><i>The validity period of the bid security shall be until <b>21.10.2018</b> (120 days from date of bid opening)</i></p> <p>Bid Security shall be a <b>Bank guarantee</b> issued by a reputed bank acceptable to Central Bank of Sri Lanka or cash deposit made to Cashier - NBRO</p>
	<b>D. Submission and Opening of Bids</b>
<b>ITB 22.2 (c)</b>	<p>Bids shall be submitted in duplicated and the inner and outer envelopes shall bear the following identification marks: Bid Name: <b>Supply, Installation and Commissioning of Computers &amp; Accessories for National Building Research Organisation.</b></p> <p>Identification No : <b>NBRO/PU/PRO/18/006</b></p>
<b>ITB 23.1</b>	<p>For bid submission purposes, the Purchaser's address is:</p> <p>Attention: <b>Director General</b></p> <p>Address: <b>National Building Research Organisation, 99/1, Jawatta Road, Colombo 05</b></p> <p>The deadline for the submission of bids is:</p> <p>Date: <b>22.06.2018</b> Time: <b>13.00 hrs.</b></p>
<b>ITB 26.1</b>	<p>The bid opening shall take place at: Auditorium of NBRO</p> <p>Address: 99/1, Jawatta Road, Colombo 05.</p> <p>Date: <b>22.06.2018</b></p> <p>Time: <b>13.00 hrs.</b></p>

	<b>E. Evaluation and Comparison of Bids</b>
<b>ITB 34.1</b>	Domestic preference “ <i>shall not</i> ” be a bid evaluation factor.
<b>ITB 35.3(d)</b>	<p>The adjustments shall be determined using the following criteria, from amongst those set out in Section III, Evaluation and Qualification Criteria:</p> <p>(a) Deviation in Delivery schedule:</p> <p>In case of optional bids : Option 1 is selected and the adjustment is not applicable</p> <p>(b) the cost of major replacement components, mandatory spare parts, and service:</p>
<b>ITB 35.4</b>	<p>The following factors and methodology will be used for evaluation:</p> <ul style="list-style-type: none"> <li>• Eligibility of Bidder</li> <li>• Arithmetical errors</li> <li>• Omissions</li> <li>• Delivery schedule or time for completion;</li> <li>• Efficiency of the equipment;</li> <li>• Capacity;</li> <li>• Spare parts;</li> <li>• After sale services;</li> <li>• Operating costs;</li> <li>• Financial capability to supply equipment;</li> <li>• Past Experience and qualifications ;</li> <li>• Manufacturer’s authorization to demonstrate that the bidder is duly authorized to supply the `goods</li> </ul>
<b>ITB 35.5</b>	<p>Bidders shall be allowed to quote for two items or more in the lot.  <i>[refer to Section III Evaluation and Qualification Criteria, for the evaluation methodology, if appropriate]</i></p>

### Section III. Evaluation and Qualification Criteria

This Section complements the Instructions to Bidders. It contains the criteria that the Purchaser use to evaluate a bid and determine whether a Bidder has the required qualifications. No other criteria shall be used.

#### Contents

1. Evaluation Criteria (ITB 35.3 {d})
2. Evaluation Criteria (ITB 35.4)
3. Multiple Contracts (ITB 35.5)
4. Post qualification
5. Domestic Preference (ITB 34.1)

#### 1. Evaluation Criteria (ITB 35.3 (d))

The Purchaser's evaluation of a bid may take into account, in addition to the Bid Price quoted in accordance with ITB Sub-Clause 14.6, one or more of the following factors as specified in ITB Sub-Clause 35.3(d) and in BDS referring to ITB Sub-Clause 35.3(d), using the following criteria and methodologies.

##### (a) Delivery schedule

Bids with deviations to the Delivery and Completion Schedule shall be treated as non-responsive and rejected.

##### (b) Deviation in payment schedule

Bidders are not permitted to state an alternative payment schedule.

##### (c) Cost of major replacement components, mandatory spare parts, and service

Criteria		Documents	
Requirement		Submission Requirement	
The list of giving full particulars, including quantities, available sources and current prices of spare parts, special tools, etc., necessary for the proper and continuing functioning of the Goods during the period 02 years following commencement of the use of the goods by the Purchaser		Form 2	

The Purchaser will make its own assessment of the cost of these deviations or deficiencies for the purpose of ensuring fair comparison of Bids.

**(d) Specific additional criteria detailed in BDS Sub-Clause 35.3 (d)**

- i) **Availability in the Purchaser's Country of spare parts and after sales services for equipment offered in the bid.**

Criteria	Documents
Requirement	Submission Requirement
Whenever necessary Spare parts should be supplied or shall be available in Sri Lanka and after sales services for equipment is required	Form 2

- ii) **Projected operating and maintenance costs.**

Criteria	Documents
Requirement	Submission Requirement
The list of giving operating and maintenance costs of the Lab/Field Equipment	Form 3

**2. Evaluation Criteria (ITB 35.4)**

- i) The Purchaser shall evaluate the technical aspects of the Bid submitted in accordance with ITB Clause 17, to confirm that all requirements specified in Section V, Schedule of Requirements of the Bidding Documents have been met without any material deviation or reservation;
- ii) All substantially responsive bids will be compared to determine the lowest-evaluated bid, in accordance clause 35 of Section I Instructions to Bidders;
- iii) Qualifications of the bidder will be determined based upon an examination of the documentary evidence of the Bidder's qualifications submitted by the Bidder, pursuant to ITB Clause 18.

**3 Multiple Contracts (ITB 35.5)3**

Not Applicable.

#### 4. Post qualification Requirements (ITB 37.2)

After determining the lowest-evaluated bid in accordance with ITB Sub-Clause 36.1, the Purchaser shall carry out the post qualification of the Bidder in accordance with ITB Clause 37, using only the requirements specified. Requirements not included in the text below shall not be used in the evaluation of the Bidder's qualifications.

##### (a) Financial Capability

The Bidder shall furnish documentary evidence that it meets the following financial requirement(s):

Criteria	Documents
Requirement	Submission Requirement
Submission of audited balance sheets and income statements or, other financial statements acceptable to the Purchaser, for the last <b>three (3) years</b> to demonstrate the current soundness of the applicants financial position. As a minimum, a Bidder's net worth calculated as the difference between total assets and total liabilities should be positive	Form - 4 with attachments

##### (b) Experience and Technical Capacity

The Bidder shall furnish documentary evidence to demonstrate that it meets the following experience requirement(s):

Criteria	Documents
Requirement	Submission Requirement
The Bidder shall include data and information in its Bid showing that the Bidder has successfully completed contracts of scope of supply and complexity comparable to the proposed Contract, over a <b>two year</b> period ending on the deadline for bid submission.	Form - 5 with attachments

#### 5. Domestic Preference (ITB 34.1)

Not Applicable





**Section IV. Bidding Forms**

**Table of Forms**

Bid Submission Form .....  
Price Schedule:.....  
Price and Completion Schedule - Related Services .....  
Bid Security (Guarantee) .....  
Bid-Securing Declaration .....  
Manufacturer’s Authorization .....

# Bid Submission Form

*[The Bidder shall fill in this Form in accordance with the instructions indicated No alterations to its format shall be permitted and no substitutions shall be accepted.]*

Date: *[insert date (as day, month and year) of Bid Submission]*

No.: *[insert number of bidding process]*

To: **Chairman, Department Procurement Committee, National Building Research Organisation**

We, the undersigned, declare that:

- (a) We have examined and have no reservations to the Bidding Documents, including Addenda No.: *[insert the number and issuing date of each Addenda]*;
- (b) We offer to supply in conformity with the Bidding Documents and in accordance with the Delivery Schedules specified in the Schedule of Requirements the following Goods and Related Services  
  
***Supply, Installation and Commissioning of Computers & Accessories for National Building Research Organisation.***
- (c) The total price of our Bid without VAT, including any discounts offered is: *[insert the total bid price in words and figures]*;
- (d) The total price of our Bid including VAT, and any discounts offered is: *[insert the total bid price in words and figures]*;
- (e) Our bid shall be valid for the period of time specified in ITB Sub-Clause 19, from the date fixed for the bid submission deadline in accordance with ITB Sub-Clause 23.1, and it shall remain binding upon us and may be accepted at any time before the expiration of that period;
- (f) If our bid is accepted, we commit to obtain a performance security in accordance with CC Clause 17.1 and CC Clause 17.3 for the due performance of the Contract;
- (g) We have no conflict of interest in accordance with ITB Sub-Clause 4.4;

- (h) Our firm, its affiliates or subsidiaries—including any subcontractors or suppliers for any part of the contract—has not been declared blacklisted by the National Procurement Agency;
- (k) We understand that this bid, together with your written acceptance thereof included in your notification of award, shall constitute a binding contract between us, until a formal contract is prepared and executed.
- (l) We understand that you are not bound to accept the lowest evaluated bid or any other bid that you may receive.

Signed: *[insert signature of person whose name and capacity are shown]*

In the capacity of *[insert legal capacity of person signing the Bid Submission Form]*

Name: *[insert complete name of person signing the Bid Submission Form]*

Duly authorized to sign the bid for and on behalf of: *[insert complete name of Bidder]*

Dated on \_\_\_\_\_ day of \_\_\_\_\_, \_\_\_\_\_ *[insert date of signing]*

# Price Schedule

*[The Bidder shall fill in this Price Schedule in accordance with the instructions indicated. The list of line items in column 1 of the **Price Schedules** shall coincide with the List of Goods and Related Services specified by the Purchaser in the Schedule of Requirements.]*

SAMPLE

## PRICE SCHEDULE

[illegible]



# Bid Guarantee

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

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

**Beneficiary:** National Building Research Organization, 99/1, Jawatta Road, Colombo 5.

**Date:** ----- *[insert (by issuing agency) date]*

**BID GUARANTEE No.:** ----- *[insert (by issuing agency) number]*

We have been informed that ----- *[insert (by issuing agency) name of the Bidder; if a joint venture, list complete legal names of partners]* (hereinafter called "the Bidder") has submitted to you its bid dated ----- *[insert (by issuing agency) date]* (hereinafter called "the Bid") for the supply of *[insert name of Supplier]* under Invitation for Bids No. ----- *[insert IFB number]* ("the IFB").

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

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

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

This Guarantee shall expire: (a) if the Bidder is the successful bidder, upon our receipt of copies of the Contract signed by the Bidder and of the Performance Security issued to you by the Bidder; or (b) if the Bidder is not the successful bidder, upon the earlier of (i) our receipt of a copy of your notification to the Bidder that the Bidder was unsuccessful, otherwise it will remain in force up to ----- *(insert date)*

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

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

## Manufacturer's Authorization

*[The Bidder shall require the Manufacturer to fill in this Form in accordance with the instructions indicated. This letter of authorization should be on the letterhead of the Manufacturer and should be signed by a person with the proper authority to sign documents that are binding on the Manufacturer. The Bidder shall include it in its bid, if so indicated in the BDS.]*

Date: *[insert date (as day, month and year) of Bid Submission]*

No.: *[insert number of bidding process]*

To: *[insert complete name of Purchaser]*

### WHEREAS

We *[insert complete name of Manufacturer]*, who are official manufacturers of *[insert type of goods manufactured]*, having factories at *[insert full address of Manufacturer's factories]*, do hereby authorize *[insert complete name of Bidder]* to submit a bid the purpose of which is to provide the following Goods, manufactured by us *[insert name and or brief description of the Goods]*, and to subsequently negotiate and sign the Contract.

Signed: *[insert signature(s) of authorized representative(s) of the Manufacturer]*

Name: *[insert complete name(s) of authorized representative(s) of the Manufacturer]*

Title: *[insert title]*

Duly authorized to sign this Authorization on behalf of: *[insert complete name of Bidder]*

Dated on \_\_\_\_\_ day of \_\_\_\_\_, \_\_\_\_\_ *[insert date of signing]*



## **Section V. Schedule of Requirements**

### **Contents**

1. List of Goods and Delivery Schedule .....
2. List of Related Services and Completion Schedule .....
3. Technical Specifications .....
4. Inspection and Tests

## 1. List of Goods and Delivery Schedule

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**The delivery period shall start as of the date of contract signing.**

Bidder should complete his obligations under this bid (including obligations under related services i.e. delivery) within 30 days from the date of signing the contract. Bids with delivery period more than the period specified above shall be treated as non-responsive and rejected.

If the successful bidder fails to complete his obligations under this contract within the period specified above, the purchaser may deduct a sum equivalent to the percentage specified in GCC 27.1 from the Contract price, as liquidated damages

## 2. List of Related Services and Completion Schedule

*[ This table shall be filled in by the Purchaser. The Required Completion Dates should be realistic, and consistent with the required Goods Delivery Dates]*

Item No.	Description of Goods or Related Services	Unit	Qty	Location	Required Arrival Date of Goods or Completion Date for Related Services	Bidder's Offered Delivery Date (to be provided by the bidder)
1	Desktop Computers with Intel Core i5 8 <sup>th</sup> Generation Processor -	Unit	12	NBRO H/O	Within 30 days of Letter of award	
2	Desktop Computers with Intel Core i7 8 <sup>th</sup> Generation Processor -	Unit	09	NBRO H/O	do	
3	Notebook Computers with Intel Core i7 8 <sup>th</sup> Generation Processor -	Unit	08	NBRO H/O	do	
4	High End Laptops	Unit	04	NBRO H/O	do	
5	Monitors	Unit	04	NBRO H/O	do	
6	Tablet PC	Unit	03	NBRO H/O	do	
7	A3 Color Printer	Unit	02	NBRO H/O	do	
8	Uninterruptable Power Supply Unit	Unit	25	NBRO H/O	do	
9	2 TB External Hard Disk	Unit	12	NBRO H/O	do	

### **3. TECHNICAL SPECIFICATIONS**

*[The Technical specifications may be provided in the following format. The bidder shall fill the columns 5 and 6. Bidder's failure to provide the information requested in the columns 5 and 6 be a reason for the rejection of the bid. If any discrepancy is observed between the information provided by the bidder in the columns 5 and 6 and the other technical information attached to the bid, the information provided herein shall take precedence.]*

SAMPLE

## Desktop Computers with Intel Core i5 8h Generation Processor-12 Nos

Minimum User Requirements		Bidders Response
Make/Model	Specify	
Country of Origin	Specify	
Processor	Intel (R) core (TM) Intel core i5- 8700 3.2 GHz 8 <sup>th</sup> Generation or higher	
Memory	8 GB DDR4 Memory upgradable up to 32GB or more	
Hard Drive Capacity	1TB 7200 RPM SATA Hard Drive	
Optical Drive	Super Multi DVD Writer	
Motherboard/Chipset	Intel Q150 or compatible	
Graphic	Dedicated NVIDIA Graphics Card with 1 GB	
Keyboard	USB Standard Keyboard (English)	
Mouse	USB Optical Mouse	
Network Interface	10/100/1000 Mbps	
I/O Ports Connectors	USB: 4 front ( 3USB 2, 2USB 2 & back: 6 USB or higher, 1x microphone, 1x headphone,1x audio line in,1x audio line out, 1x DVI-D,1x VGA, 1xRJ 45	
Audio	Integrated High Definition Audio	
Monitor	19" LED Widescreen Monitor (VGA HDMI ports)	
Operating System	Genuine Windows 10 Professional License with original user License with Support DVD	
Warranty	3 years comprehensive warranty	
Unit Price without VAT(Rs)		

**Desktop Computers with Intel Core i7 8th Generation Processor -09 No**

Item	Required Specification	Offered Specification
Make/Model	Specify	
Country of Origin	Specify	
Processor	Intel (R) core Intel core i7- 8700 3.2 GHz 8 <sup>th</sup> Generation or higher	
Memory	16 GB DDR4 Memory upgradable up to 32GB or more	
Hard Drive Capacity	1TB 7200 RPM SATA Hard Drive	
Optical Drive	Super Multi DVD Writer	
Motherboard/Chipset	Intel Q150 or compatible	
Graphic	Dedicated NVIDIA Graphics Card with 2 GB	
Keyboard	USB Standard Keyboard (English)	
Mouse	USB Optical Mouse	
Network Interface	10/100/1000 Mbps	
I/O Ports Connectors	USB: 4 front & back: 6 USB 1x microphone, 1x headphone, 1x audio line in, 1x audio line out, 1x DVI-D, 1x VGA, 1xRJ 45	
Audio	Integrated High Definition Audio	
Monitor	24" LED Widescreen Monitor (VGA HDMI ports)	
Operating System	Genuine Windows 10 Professional License with original user License with Support DVD	
Warranty	3 years comprehensive	
Unit Price without VAT(Rs)		

## Notebook Computers with Intel Core i7 8th Generation Processor-08 Nos

Minimum Requirement		Bidders Response
Description	Required Specification	
Make/Model	Specify	
Country of Origin	Specify	
Processor	Intel (R) core (TM) Intel core i7- 8700 3.2 GHz 8th Generation or higher	
Ram	16 GB DDR4 expandable up to 32 GB	
Hard Disk	1TB 7200 RPM SATA Hard Drive	
Optical Drive	Optional	
Options	Wi-Fi/CR/BT	
Screen	15.6 LED FHD	
Graphics (Dedicated)	1 GB GF GTX850	
Webcam	HD True Vision Webcam (front-facing)with integrated dual array digital microphone	
Pointing Device	Touch Pad with two buttons	
Memory Card Device	5 in 1 memory card reader	
Operating System	Genuine Windows 10 Professional License with original user License with Support DVD	
Microprocessor Cache	6 MB cache up to 3.30 GHz	
Network Card - N	Integrated 10/100/1000 Gigabit Ethernet LA	
Audio	DTS Studio Sound, Realtec ALC221 codes or compatible (all ports stereo), microphone and headphone jacks, stereo audio line-out and integrated speaker	
Key pad	Full-size backlit keyboard with separate numeric keypad	
Included Drives	SuperMulti DVD burner	

External Ports	2 USB, 2 USB 3.0 1 RJ-45, 1 HDMI, 1 headphone/ microphone combo	
Battery	4 cell battery with 4 hours or more battery life	
Warranty	3 years comprehensive including Battery	
Solid carrying case		
Unit Price without VAT(Rs)		

### High End Laptop – 04 Nos

Minimum Requirement		Bidders Response
Description	Required Specification	
Model:	Specify	
Country of Origin	Specify	
Processor:	8th Gen Intel® Core™ i7-8700U Dual Core Processor + NVIDIA GeForce 940M 2GB Discrete Graphics or Intel® i7-8700U Dual Core Processor+ Intel® HD Graphics 520 (For SSD) or any advance system.	
Motherboard/Chipset	Integrated with processor	
Memory	16GB DDR3L-1600 SDRAM	
Hard Disk Drive	512GB SSD	
Options:	Wifi/CR/BT 360° Convertible	
Display type and resolution	<b>13" or above</b> diagonal FHD IPS UWVA WLED-backlit edge-to-edge glass (1920 x 1080) <b>Touchscreen</b>	
Optical Drive	External DVD +/- RW super Multi Drive Writer	
Audio	DTS sound +,Integrated stereo speakers ,Integrated digital micro phone, function keys for microphone mute, volume up, volume down headphone/micro phone Combo Jack	



Webcam:	HD True Vision Webcam (front-facing) with integrated dual array digital microphone	
Network Card	Integrated 10/100/1000 Gigabit Ethernet LAN	
Wireless	Intel® 802.11ac (1x1) Wi-Fi® and Bluetooth® 4.2 Combo	
I/O ports connectors	2 x USB ports 2.0 and 1 x USB ports 3.0 or higher , HDMI- 1,1x microphone,1xheadphone Combo jack ,1x power connector,1 x VGA, 1 x RJ-45	
Mice/Pointing device	Touch-pad with gestures support, on/off button with LED indicator,2 way scroll,2 pick buttons, USB Optical Mouse	
Key board	Full sized spill resistant key board	
Operating System	Windows 10 Professional License with original user License with Support DVD	
Carrying case	Original	
Warranty	3 Years Comprehensive Warranty on note book and battery	

#### Monitor -04 Nos

Minimum User Requirements		Bidders Response
Make/Model	Specify	
Diagonal Viewable Size	18.6" or above	
Aspect Ratio	Widescreen (16:9)	
Warranty	One year	
Display Type	LED-backlit LCD monitor	
Color Support	16.7 million colors	
Unit Price without VAT(Rs)		

#### External Hard Disk-12 Nos

Minimum User Requirements		Bidders Response
Make/Model	Specify	
	Capacity: 2TB Interface Type:SATA Cache: 64MB Rpm: 7200rpm	
Brand & Model	Specify	
Warranty	One year	
Unit Price without VAT(Rs)		

**Tablet PC - 03 Nos.**

<b>Minimum User Requirements</b>		<b>Bidders Response</b>
Model:	Specify	
Country of Origin	Specify	
Operating System	Specify	
2G Network	GSM 850 / 900 / 1800 / 1900	
3G Network	HSDPA 850 / 900 / 1900 / 2100	
SIM	Micro-SIM	
Dimensions	186.9 x 107.9 x 9 mm or higher	
Type	TFT capacitive touchscreen, 16M colors	
Size	800 x 1280 pixels, 7.0 inches (~216 ppi pixel density) or higher	
Multitouch	Yes	
3.5mm jack	Yes	
Card slot	Micro SD, up to 32 GB	
Internal	16 GB, 1 GB RAM or higher	
GPRS	Yes	
EDGE	Yes	
Speed	HSPA+, 48 Mbps; HSUPA, 5.76 Mbps or higher	
WLAN	Wi-Fi 802.11 a/b/g/n, dual-band, Wi-Fi Direct, Wi-Fi hotspot	
Bluetooth	v4.0, A2DP	
GPU	Power VR Series 7 (12-core graphics)	
Internal	32/128/256 GB, 4 GB RAM	
Primary	8 MP, f/2.4, 31mm, autofocus, check quality or above	

Features	1.12µm pixel size, geo-tagging, touch focus, face/smile detection, HDR (photo/panorama)	
Secondary	1.2 MP, 720p@30fps, face detection, HDR, Face Time over Wi-Fi or Cellular	
Bluetooth	4.0, A2DP, EDR	
GPS	Yes, with A-GPS, GLONASS (Wi-Fi + Cellular model only)	
NFC	NFC	
Sensors	Fingerprint (front-mounted), accelerometer, gyro, compass, barometer	
Warranty	3 years	
Unit Price without VAT(Rs)		

#### **Uninterruptible Power Supply 650VA – 25 Nos**

<b>Minimum User Requirements</b>		<b>Bidders Response</b>
Make/Model	Specify	
UPS	Capacity 650 VA Backing up 20 Minimum Automatic Voltage Regulation (AVR)	
Brand & Model	Specify	
Warranty	One year	
Unit Price		

### A3 Color Printer - 02 No

Minimum User Requirements		Bidders Response
Model:	Specify	
Country of Origin	Specify	
Duplex Print Options	Automatic	
Print Technology	Thermal Inkjet	
Print Speed1	<b>ISO Speed:</b> Up to 15 ppm black, Up to 8 ppm color or above <b>Maximum Print Speed:</b> Up to 33 ppm black, Up to 29 ppm color or above	
Print Resolution	<b>Black:</b> Up to 600 x 1200 dpi; <b>Color:</b> Up to 4800 x 1200 optimized dpi color or above	
Borderless Print Capability	Yes (up to 13 x 19 in, 330 x 483 mm)	
Number Of Print Cartridges	4 (1 each black, cyan, magenta, yellow)	
Supported Network Protocols	TCP/IP	
Memory	16 MB (ROM); 128 MB (DDR RAM) or above	
Wireless Capability	Yes	
Standard Connectivity	1 USB 2.0, 1 Ethernet, 1 Wireless 802.11b/g/n	
Network Capabilities	Built-in Ethernet and Wireless (802.11b/g/n)	
Network Ready	Standard (built-in Ethernet, WiFi 802.11b/g/n)	
Printer Smart Software Features	Orientation: Portrait/Landscape; Print on Both Sides: None/Flip on Long Edge/Flip on Short Edge; Page Order: Front to Back/Back to Front; Page Format: Pages per Sheet:	
Media Types	Paper (brochure, inkjet, plain), photo, envelopes, cards (index)	
Media Sizes Supported	A3,A4, A5, A6, B5 (JIS), 6 x 8 in, Executive, Index card 3 x 5 in, Index card 4 x 6 in, Index card	

Warranty Features	One-year hardware warranty	
Compatible Operating Systems	Windows 10, 8, 7 64-bit, 32-bit, Windows 7 32-bit	
Control Panel	4 ink cartridge lights, 4 buttons with lights (Resume, Wireless, ePrint & Power) and 2 button (Cancel & Configuration) and 1 network indicator light	
Unit Price without VAT(Rs)		

## 4. Inspections and Tests

The following inspections and tests shall be performed: *[insert list of inspections and tests if any]*

**Form – 1**

**Bidder's Information Sheet** *(Bidder shall fill following table)*

Bidder's Information	
Bidder's legal name	
In case of Joint Venture, legal name of each partner	
Bidder's country of constitution	
Bidder's year of constitution	

<b>Bidder's legal address in country of constitution</b>	
<b>Bidder's authorized representative</b>  (name, address, telephone numbers, fax numbers, e-mail address)	
<b>Back listed Supplies</b>	
<b>Have you been declared as a defaulted Supplier by NPA or any other Agency ? Yes/No</b>	
<b>If yes, Provide details</b>	
<b>Any Other</b>	

**Form - 2: Cost of major replacement components, mandatory spare parts, and service**

Description of Spare Parts	Qty	Available Souses	Current Prices of Spare Parts per Unit	Special tools if any	Availability of Spare parts (Available Country)	Country of Origin

*True copies of relevant documents/certificates and additional details if any shall be attached*

**Form – 4(a) : Financial Situation**

Financial Data for Previous 3 Years [SL Rs* Equivalent]		
2017: _____	2016: _____	2015: _____

**Information from Balance Sheet**

	2017	2016	2015
Total Assets			
Total Liabilities			
Net Worth			
Current Assets			
Current Liabilities			

**Information from Income Statement**

Total Revenues			
Profits Before Taxes			
Profits After Taxes			

- ☐ Please attached copies of financial statements (balance sheets including all related notes, and income statements) for the last three years, as indicated above, complying with the following conditions.
- All such documents reflect the financial situation of the Applicant or partner to a JV, and not sister or parent companies.
  - Historic financial statements must be audited by a certified accountant.
  - Historic financial statements must be complete, including all notes to the financial statements.
  - Historic financial statements must correspond to accounting periods already completed and audited (no statements for partial periods shall be requested or accepted).

*True copies of relevant documents/certificates and additional details if any shall be attached*

**Form – 4(b): Financial Resources**

Specify proposed sources of financing, such as liquid assets, unencumbered real assets, lines of credit, and other financial means, net of current commitments, available to meet the total construction cash flow demands of the subject contract or contracts.

Financial Resources		
No.	Source of financing	Amount (SL Rs)
1		
2		
3		

**Form – 5 : Past Experience on Supply of Goods**

Please indicate successfully completed contracts of scope of supply and complexity comparable to the proposed Contract, over a three year period ending on the deadline for bid submission.

Description	Year 2017	Year 2016	Year 2015
Name of the purchaser/s			
Name of the Item supplied			
Quantity Supplied			



Contract price/s			
Duration according to the agreement			
Date of Commencement			
Actual date of completion			

*True copies of relevant documents/certificates and additional details if any shall be attached*

## Section VII. Contract Data

The following Contract Data shall supplement and / or amend the Conditions of Contract (CC). Whenever there is a conflict, the provisions herein shall prevail over those in the CC.

<b>CC 1.1(i)</b>	The Purchaser is: <b>National Building Research Organisation</b>
<b>CC 1.1 (m)</b>	The Project Site(s)/Final Destination(s) is/are: <b>99/1,Jawatta Road, Colombo 05</b>
<b>CC 8.1</b>	For <b><u>notices</u></b> , the Purchaser's address shall be:  Attention: <b>Director General</b>  Address: <b>National Building Research, Organisation, 99/1, Jawatta Road, Colombo 05.</b>  Telephone: <b>011-2588946</b>  Facsimile number: 011-502611  Electronic mail address: <b><u>nbro@sltnet.lk</u></b>
<b>CC 12.1</b>	Details of Shipping and other Documents to be furnished by the Supplier are <b><i>Not applicable.</i></b>
<b>CC 15.1</b>	The method and conditions of payment to be made to the Supplier under this Contract shall be as follows:  A: For Goods offered within Sri Lanka  Payment shall be made in Sri Lanka Rupees within thirty (30) days of presentation of claim supported by a certificate from the Purchaser declaring that the Goods have been delivered and that all other contracted Services have been performed.
<b>CC 17.1</b>	A Performance Security <b>Shall be required</b>
<b>CC 17.3</b>	Performance Security in an appropriate amount of not less than 10% (ten percent) of the estimated contract sum may also cover warranty obligations.
<b>CC 25.1</b>	The inspections and tests shall be: <b>Prior to delivery respective items shall be checked against the sample approved (if any) and with the specifications mentioned in the bidding document.</b>
<b>CC 25.2</b>	The Inspections and tests shall be conducted at :National Building Research Organization,99/1,Jawatta Road, Colombo 05
<b>CC 26.1</b>	The liquidated damage shall be : <b>0.5 % per week</b>
<b>CC 26.1</b>	The maximum amount of liquidated damages shall be <b>10 % of contract price</b>