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تعمیراتی منصوبہ کی تفصیل:			
محلہ کی تفصیل	تعمیراتی منصوبہ کی تفصیل	تعمیراتی منصوبہ کی تفصیل	تعمیراتی منصوبہ کی تفصیل
			تعمیراتی منصوبہ کی تفصیل
			تعمیراتی منصوبہ کی تفصیل (تعمیراتی)
			تعمیراتی منصوبہ کی تفصیل (تعمیراتی)
			تعمیراتی منصوبہ کی تفصیل

تعمیراتی منصوبہ کی تفصیل:	تعمیراتی منصوبہ کی تفصیل:
تعمیراتی منصوبہ کی تفصیل:	تعمیراتی منصوبہ کی تفصیل:
تعمیراتی منصوبہ کی تفصیل:	تعمیراتی منصوبہ کی تفصیل:
تعمیراتی منصوبہ کی تفصیل:	تعمیراتی منصوبہ کی تفصیل:

### تعمیراتی منصوبہ کی تفصیل

تعمیراتی منصوبہ کی تفصیل (تعمیراتی) : (05) (تعمیراتی)

تعمیراتی منصوبہ کی تفصیل	تعمیراتی منصوبہ کی تفصیل	تعمیراتی منصوبہ کی تفصیل	تعمیراتی منصوبہ کی تفصیل
20	20	20	تعمیراتی منصوبہ کی تفصیل
			تعمیراتی منصوبہ کی تفصیل

تعمیراتی منصوبہ کی تفصیل (15) (تعمیراتی)

تعمیراتی منصوبہ کی تفصیل 50% (تعمیراتی)

تعمیراتی منصوبہ کی تفصیل:			
#	تعمیراتی منصوبہ کی تفصیل	تعمیراتی منصوبہ کی تفصیل	تعمیراتی منصوبہ کی تفصیل
			تعمیراتی منصوبہ کی تفصیل (تعمیراتی)
			تعمیراتی منصوبہ کی تفصیل
			تعمیراتی منصوبہ کی تفصیل

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## BID SECURITY FORMAT

The Issuing Bank shall fill in this Bank Guarantee Form in accordance with the instructions indicated.

\_\_\_\_\_ [Bank's Name, and Address of Issuing Branch or Office]

**Beneficiary:** \_\_\_\_\_ [Name and Address of Procuring Entity]

**Date:** \_\_\_\_\_

**BID GUARANTEE No.:** \_\_\_\_\_

We have been informed that [name of the Bidder] (hereinafter called "the Bidder") has submitted to you its bid dated (hereinafter called "the Bid") for the execution of [name of contract] under Invitation for Bids No. [Procurement Reference 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 [name of Bank] hereby irrevocably undertake to pay you any sum or sums not exceeding in total an amount of [amount in figures] ([amount in words]) upon receipt by us of your first demand in writing accompanied by a written statement stating that the 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- (a) has withdrawn its Bid during the period of bid validity specified by the Bidder in the Form of Bid; or
- (b) having been notified of the acceptance of its Bid by the Procuring Entity during the period of bid validity, (i) fails or refuses to execute the Contract Form; or (ii) fails or refuses to furnish the performance security, if required, in accordance with the Instructions to Bidders.

This guarantee will expire: (a) if the Bidder is the successful Bidder, upon our receipt of copies of the contract signed by the Bidder and the performance security issued to you upon the instruction of 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 of the name of the successful Bidder; or (ii) twenty-eight days after the expiration of the Bidder's Bid.

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

This guarantee is subject to the Uniform Rules for Demand Guarantees, ICC Publication No. 458.

\_\_\_\_\_  
[signature(s)]

## PERFORMANCE GUARANTEE FORMAT

*[The issuing bank, as requested by the successful Bidder, shall fill in this form in accordance with the instructions indicated]*

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

Title of the procurement: *[Insert general title of the procurement]*

Procurement Reference No: *[insert reference]*

Bank's Branch or Office: *[insert complete name of Guarantor]*

**Beneficiary:** *[insert complete name of Procuring Entity]*

**PERFORMANCE GUARANTEE No.:** *[insert Performance Guarantee number]*

We have been informed that *[insert complete name of Supplier]* (hereinafter called "the Supplier") has entered into Contract No. *[insert number]* dated *[insert day and month]*, *[insert year]* with you, for the supply of *[description of Goods and related Services]* (hereinafter called "the Contract").

Furthermore, we understand that, according to the conditions of the Contract, a Performance Guarantee is required.

At the request of the Supplier, we hereby irrevocably undertake to pay you any sum(s) not exceeding *[insert amount(s)<sup>1</sup> in figures and words]* upon receipt by us of your first demand in writing declaring the Supplier to be in default under the Contract, without cavil or argument, or your needing to prove or to show grounds or reasons for your demand or the sum specified therein.

This Guarantee shall expire no later than the *[insert number]* day of *[insert month]* *[insert year]*,<sup>2</sup> and any demand for payment under it must be received by us at this office on or before that date. We agree to a one-time extension of this Guarantee for a period not to exceed *[six months]* *[one year]*, in response to the Procuring Entity's written request for such extension, such request to be presented to us before the expiry of the Guarantee.

This guarantee is subject to the Uniform Rules for Demand Guarantees, ICC Publication No. 458, except that subparagraph (ii) of Sub-article 20(a) is hereby excluded.

.....

*[signatures of authorized representatives of the bank]*

<sup>1</sup> The Bank shall insert the amount(s) specified in the SCC and denominated, as specified in the SCC, either in the currency(ies) of the Contract or a freely convertible currency acceptable to the Procuring Entity.

<sup>2</sup> Dates established in accordance with Clause 18.4 of the General Conditions of Contract ("GCC"), taking into account any warranty obligations of the Supplier under Clause 16.2 of the GCC intended to be secured by a partial Performance Guarantee.

## BANK GUARANTEE FOR ADVANCE PAYMENT

*[The bank, as requested by the successful Bidder, shall fill in this form in accordance with the instructions indicated.]*

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

Title of the procurement: *[Insert general title of the procurement]*

Procurement Reference No: *[insert reference]*

*[Issuing bank's letterhead]*

**Beneficiary:** *[insert legal name and address of Procuring Entity]*

**ADVANCE PAYMENT GUARANTEE No.:** *[insert Advance Payment Guarantee no.]*

We, *[insert legal name and address of bank]*, have been informed that *[insert complete name and address of Supplier]* (hereinafter called "the Supplier") has entered into Contract No. *[insert number]* dated *[insert date of Agreement]* with you, for the supply of *[insert types of Goods to be delivered]* (hereinafter called "the Contract").

Furthermore, we understand that, according to the conditions of the Contract, an advance is to be made against an advance payment guarantee.

At the request of the Supplier, we hereby irrevocably undertake to pay you any sum or sums not exceeding in total an amount of *[insert amount(s)<sup>3</sup> in figures and words]* upon receipt by us of your first demand in writing declaring that the Supplier is in breach of its obligation under the Contract because the Supplier used the advance payment for purposes other than toward delivery of the Goods.

It is a condition for any claim and payment under this Guarantee to be made that the advance payment referred to above must have been received by the Supplier on its account *[insert number and domicile of the account]*

This Guarantee shall remain valid and in full effect from the date of the advance payment received by the Supplier under the Contract until *[insert date<sup>4</sup>]*. We agree to a one-time extension of this Guarantee for a period not to exceed *[six months][one year]*, in response to the Procuring Entity's written request for such extension, such request to be presented to us before the expiry of the Guarantee.

This Guarantee is subject to the Uniform Rules for Demand Guarantees, ICC Publication No. 458.

\_\_\_\_\_  
*[signature(s) of authorized representative(s) of the bank]*


<sup>3</sup> The issuing bank shall insert the amount(s) specified in the SCC and denominated, as specified in the SCC, either in the currency(ies) of the Contract or a freely convertible currency acceptable to the Procuring Entity.

<sup>4</sup> Insert the Delivery date stipulated in the Contract Delivery Schedule.

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**Tender MNU-CA-PAMD/2026/48**  
**Fest Embedded System**

#	Item description	Specification	Qty
<b>List of items required for embedded systems Lab/hybrid classroom – 01</b>			
1	<b>Interactive Display</b> 	<b>Technical Specifications</b> <p><b>Screen Size:</b> 85" inch</p> <p><b>Resolution:</b> UHD (3840×2160 4K pixels) 10-bit colour</p> <p><b>Backlight:</b> D-LED</p> <p><b>Display:</b> 16:09 ratio, 178° angle view</p> <p><b>Response Speed:</b> ≤ 8ms</p> <p><b>Touch Technology</b> IR or PCAP with Zero Bonding / 20 points &amp; above for android / 40-50 points for windows / Mac supported</p> <p><b>Touch Support:</b> Finger, Pen, any opaque object</p> <p><b>Touch surface Technology:</b> Anti-glare + Anti fingerprint tempered glass</p> <p><b>Android Specs</b> Quad/Octa Core CPU, 16GB RAM 256GB ROM</p> <p><b>Windows Specs</b> Intel Core i5, 16GB RAM, 256GB SSD, Pre-installed Win 11 Pro or OPS</p> <p><b>Camera and Mic</b> In-built (13MP/48MP Opt Camera), 4 Mic array</p> <p><b>Network</b> 2.4G+5G WiFi, Bluetooth 5.0,</p> <p><b>Ports</b> <b>Input Ports (Rear):</b> HDMI*1, LAN(RJ45)* 1 , AV in(mini)*2</p> <p><b>Output Ports(Rear):</b> SPDIF* 1, Headphone 3.5mm*1, AV OUT(mini)</p>	1




		<p><b>Other Ports(Rear):</b> USB 3.0* 1, USB2.0* 1, RS232*1 , Touch USB* 1, OPS Slots*1</p> <p><b>Front Ports:</b> USB*3( Full function), HDMI in*1, Touch USB* 1, Type-C* 1</p> <p><b>OPS Ports (Optional):</b> USB2.0, USB3.0, VGA, HDMI-out, RJ45,WIFI,AUDIO OUT, MIC, POWER</p> <p><b>Speakers</b> 20W*2 / 8Ω (Echo-cancellation supported)</p> <p><b>Accessories</b> Power cable*1;Remote Control*1; Touch Pen*2 ; Wall brackets*1 set</p> <p><b>OS supported</b> Dual OS support (Windows / Andriod 12.0-14.0)- dual system</p> <p><b>Warranty:</b> 1 Year Hardware &amp; Service Warranty</p> <p><b>Featured Apps</b> 4K Screen Lock, Annotation, FileTransfer, FileBrow Whiteboard, Screen Share, Split Screen, Browser, PlayStore, ser, Calender, Welcome Page, ScreenShot, Screen Record, Annotation</p>	
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**List of items required for embedded systems Lab/hybrid classroom – 02**

2	<p>AV System</p>  <p>Include:</p>	<p>Camera:</p> <ul style="list-style-type: none"> <li>• 260° pan, 130° tilt</li> <li>• 10x lossless HD zoom</li> <li>• 90° Field of View</li> <li>• Full HD 1080p 30fps</li> <li>• H.264 UVC 1.5 with Scalable Video Coding (SVC)</li> <li>• Autofocus</li> <li>• 5 camera presets</li> <li>• Far-end control (PTZ) of ConferenceCam products</li> </ul>	1
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	<p>With motorized camera, microphone, speaker, cables and dual-purpose mount</p>	<ul style="list-style-type: none"> <li>• Kensington security slot</li> <li>• LED to confirm video streaming</li> </ul> <p><b>Speakerphone</b></p> <ul style="list-style-type: none"> <li>• Full-duplex performance</li> <li>• Acoustic echo cancellation</li> <li>• Noise reduction technology</li> <li>• Ultra-wideband audio</li> <li>• Bluetooth and NFC wireless technology</li> </ul> <p>Microphones (Tx)</p> <ul style="list-style-type: none"> <li>- Four omni-directional microphones supporting</li> <li>- 20-foot diameter range</li> <li>- Frequency response: 100Hz – 11KHz</li> <li>- Sensitivity: -28dB +/-3dB</li> <li>- Distortion: &lt;1% @ 1KHz at 106dB</li> </ul> <p>Speakers (Rx)</p> <ul style="list-style-type: none"> <li>- Frequency response: 120Hz – 14KHz</li> <li>- Sensitivity: 83dB SPL +/-3dB at 1W/1M</li> <li>- Max output: 91dB SPL</li> <li>- Distortion: &lt;5% from 200Hz</li> </ul>	
<p><b>3</b></p>	<p>Classroom chair</p> <p>Include: Classroom chairs with integrated folding table</p>		<p>20</p>
<p><b>4</b></p>	<p>75" TV</p>	<p>Resolution: 4K UHD (3840 times 2160) Refresh Rate: 60Hz to 144Hz Inputs: Multiple HDMI 2.0/2.1 ports, USB, Ethernet, and Digital Audio Output. Audio: Dolby Atmos, 2.1 CH sound systems.</p>	<p>1</p>
<p><b>5</b></p>	<p><b>adjustable, articulated, top-down, or</b> document-style webcam</p>	<p>Dimensions</p> <ul style="list-style-type: none"> <li>- About Height 23.2 in (59 cm), Width 7.48 in (19 cm), Depth 7.48 in (19 cm)</li> <li>- Dimensions above surface in desktop mode: Height 20.87 in (53 cm), Width 21.65 in (55 cm), Depth 7.48 in (19 cm)</li> <li>- Surface texture: Non marring, grip layer on bottom of base</li> </ul>	<p>1</p>





Include:  
Top-down, or document-style  
webcam with base mount

- Dimensions above surface in compact mode:  
Height 23.2 in (59 cm), Width 3.94 in (10 cm),  
Depth 3.94 in (10 cm)
- Dimensions above surface in desktop mode:  
Height 20.87 in (53 cm), Width 21.65 in (55 cm),  
Depth 3.94 in (10 cm)
- Max Edge thickness: 2.20 in (5.6 cm)
- Recommended under table clearance for  
clamping: 2.13 in (5.4 cm)
- Surface texture: Non marring, grip layer on both  
clamping surfaces

**Technical Specifications**

- Coverage & Adjustability
- Desktop Surface View Area @max zoom out:  
11.81 x 21.65in (30x 55 cm)
- Desktop Surface View Area @max zoom in:  
2.76 x 5.12in (7x 13 cm)
- Magnification/Zoom: 4.3X lossless
- Independent Lateral Adjustment: single  
handed with 12.72 in (32.3 cm) of horizontal  
travel and 360° panning rotation
- Independent Vertical Adjustment: Multipoint  
push button to engage 12.20 in (31 cm)  
of vertical travel
- Camera Head Adjustment: 360° rotation on  
camera ring interface, 180° tilt and 360°  
rotation on ball joint interface
- Max Video Resolution: 1080p/60 fps in MJPEG
- Lens: Premium Full HD, Glass lens, f/2.0 - focal  
length 0.15 in (3.7 mm) and 78° DFOV
- Autofocus
- Audio Capture: Dual omnidirectional mic with  
noise reduction filter
- USB-C Cable with 3 feet (91.5 cm) of length  
available: Extension cables can be used to  
provide additional range but may impact max  
video quality



