

**Subhead-10**  
**Digital Conference & Multimedia Systems**

Item No.	Description of Items	Unit	Unit Rate in Dhaka & Mymensingh Zone (Tk)	Unit Rate in Chattogram & Sylhet Zone (Tk)	Unit Rate in Khulna, Barishal & Gopalganj (Tk)	Unit Rate in Rajshahi & Rangpur (Tk)
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**10.1 DIGITAL CONFERENCE SYSTEM (Wired)**

**10.1.1 CENTRAL UNIT**

Supply, Installation, testing and commissioning of the central unit with digital display (integrated controller & power supply).

The central unit shall have the following technical features or equivalent :

**Web browser-system set-up:** CU configuration, delegate set up, seat assignment to the seat, input / output control.

**Quantity Component**

- 1 CCSD-CU Control Unit
- 1 Mains power cord
- 1 24 VDC power supply
- 2 Sets of chairperson's buttons for a Discussion Device
- 1 Exchange tool for buttons
- 1 Set of feet for table top use
- 1 Set of 19" 1U mounting brackets
- 1 Safety instructions
- 1 Installation note
- 1 DVD with operation manual and supporting tools

**Specification**

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	<ul style="list-style-type: none"><li>• Front of unit: 1 x 3.5 mm (0.14 in) stereo headphone socket 1 x USB connector</li><li>• Rear of unit: 1 x micro USB connector, 4 x RCA outputs for individual microphone recording</li><li>• Built in recorder</li><li>• 1 x 4-pole circular female 24 VDC power input Connector</li><li>• 2 x 6-pole circular female connectors for loop-through connection of 40 Discussion Devices per trunk</li></ul> <p><b>Mechanical</b> Mounting : Tabletop Temperature range: 5° to 45° C Certifications : The system in general conforms to the IEC 60914 standard. Approvals: CE, WEEE, UL, FCC, CSA, ICES-003, EPS1, CCC1, BSM11, EAC Warranty: Minimum 1 Year Accepted/approved by the engineer-in-charge.</p>	Each	192,401.00	192,390.00	192,348.00	192,348.00

#### 10.1.2 TABLE TOP CHAIRMAN UNIT

Supply, Installation, testing and commissioning of table top chairman unit with microphone and built-in loudspeaker. The chairman unit shall have the following technical features or equivalent :

##### Electrical

Power Consumption: 9W to 20W

Frequency Response: 30 Hz to 20 KHz

THD: <0.5%

S/N : >93 dBA

Sampling Rate: 44.1 KHz

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**Acoustical**

- Loudspeaker nominal output: 72 dB SPL
  - Participants loudspeaker frequency response: 200 Hz to 16 kHz (acoustical)
  - Microphone polar pattern: Cardioid
  - Participants microphone frequency response: 125 Hz to 15 kHz
  - Microphone nominal input: 85 dB SPL
- Unique patent pending possible-to-speak indicator  
 Plug and play functionality for ensuring fast installation and reconfiguration time  
 Immunity to mobile phone interference

**Controls and Indicators**

- Microphone button,
- Color-coded LED indicator above microphone button for showing the following states: microphone on request-to-speak, and possible-to-speak,
- Light-ring indicator in head of microphone
- Rotary thumbwheel on side of device for adjusting the headphones volume
- Concealed slide-switch at base of Discussion Device for configuring the Discussion Device as a 'participant Discussion Device' or 'chairperson's Discussion Device', Chairperson's configuration only – separate microphone button and 'priority button'..

**Connections**

- 1 x 6-pole circular female connector with cable
- locking recess – for loop-through connection of Discussion Devices
- 1 x 3.5 mm (0.14 in) stereo headphones socket on side of device
- Minimum 1 x 2 m (78.7 in) cable with a 6-pole circular male connector with cable lock

Certifications:

*[Handwritten signatures and initials in black and blue ink]*

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	The discussion unit conforms in general to the IEC 60914 standard. Approvals CE, WEEE1, UL, FCC, CSA, ICES-003 Warranty: 1 Year Accepted/approved by the engineer-in-charge.	Each	40,554.00	40,543.00	40,501.00	40,501.00

10.1.3 **TABLE TOP DELEGATE UNIT**

Supply, installation, testing and commissioning of table top delegate unit with microphone and built-in loudspeaker. The delegate unit shall have the following technical features or equivalent :

**Electrical**

- Power Consumption : 9W to 20W
- Frequency Response : 30 Hz to 20 KHz
- THD : <0.5%
- S/N : >93 dBA
- Sampling Rate : 44.1 KHz

Unique patent pending possible-to-speak indicator  
 Plug and play functionality for ensuring fast installation and reconfiguration times  
 Immunity to mobile phone interference

**Controls and Indicators**

*[Handwritten signatures and initials in blue ink, including 'a', 'p', 'm', '3', 'AA', 'B', 'S', 'D', 'G', 'R', 'K', 'P', 'S']*

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- Microphone button
- Color-coded LED indicator above microphone button for showing the following states: microphone on, request-to -speak, and possible-to-speak
- Light-ring indicator in head of microphone
- Rotary thumbwheel on side of device for adjusting the headphones volume
- Concealed slide-switch at base of Discussion Device for configuring the Discussion Device as a 'participant Discussion Device ' or 'chairperson's Discussion Device', Chairperson's configuration only – separate microphone button and 'priority button'.

#### Connections

- 1 x 6-pole circular female connector with cable
- locking recess – for loop-through connection of Discussion Devices
- 1 x 3.5 mm (0.14 in) stereo headphones socket on side of device
- Minimum 1 x 2 m (78.7 in) cable with a 6-pole circular male connector with cable lock

#### Mechanical

- Mounting Tabletop (portable or fixed)
- Material (top) Plastic ABS+PC

#### Interconnections

LAN: Two RJ45 female sockets with auto-termination.

#### Mechanical

Mounting: Tabletop.

Temperature range: 5° to 45° C.

#### Certifications

The discussion unit conforms in general to the IEC 60914 standard

A collection of handwritten signatures and initials in black and blue ink, located at the bottom of the page. The signatures are scattered across the width of the page, with some appearing to be in blue ink and others in black. They include various stylized names and initials, such as 'R', 'S', 'M', 'P', 'Q', 'R', 'S', 'T', 'U', 'V', 'W', 'X', 'Y', 'Z', and others.

Item No.	Description of Items	Unit	Unit Rate in Dhaka & Mymensingh Zone (Tk)	Unit Rate in Chattogram & Sylhet Zone (Tk)	Unit Rate in Khulna, Barishal & Gopalganj (Tk)	Unit Rate in Rajshahi & Rangpur (Tk)
	Approvals CE, KC, CCC, cUL, TUV Warranty: Minimum 1 Year Accepted/approved by the engineer-in-charge.	Each	39,940.00	39,929.00	39,888.00	39,888.00

## 10.1.4 EXTENSION UNIT

Supply, Installation, testing and commissioning of the Extension Unit

The Extension Unit shall have the following technical features or equivalent :

**Electrical**

- Supply Voltage Adaptor: 100 to 240 VAC, 50Hz
- Current Consumption Voltage Adaptor: 1.9 A (100 VAC) to 1A 240 (VAC)
- DC Voltage Control Unit: 24V, 6.0 A
- Maximum Number of Discussion Devices per Extension Unit: 40 Discussion Devices per trunk/ tap-off 85 Discussion Devices in total 24 V, Max 5.2 A (short circuited protected)

Automatic Power up: The extension unit is switched on or off automatically with the control unit

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**Controls and indicators**

- Front Panel: 1x power on/off

**Connections**

- Rear Panel:
  - 1x 2 meter cable with 6 pole circular male connector for connection to the Control Unit or previous component in the daisy-chain
  - 1x 6 pole circular female connector for trunk connection of the devices (maximum of 40 devices per trunk)
  - 2x 6 pole circular female connectors for tap-off connection of the Discussion Devices (maximum of 40 Discussion Devices per tap-off, with a maximum of 85 Discussion Devices per Extension Unit)
  - 1x 4 pole circular female 24 VDC power input connector

**Environmental**

Operating temperature : 5° to 45° C

Approvals CE, WEEE, UL, FCC, CSA, KCC, RCM, EAC

Warranty: Minimum 1 year

Accepted/approved by the engineer-in-charge.

Each                      192,401.00                      192,390.00                      192,348.00                      192,348.00

**10.1.5 EXTENSION CABLE**

Supply, Installation, testing and commissioning of extension cable. The extension cable shall have the following technical features or equivalent :

Cable terminated at both ends with a molded six-pole circular, Connector (male and female).The extension to the type number, Gives the length of the cable.

**Technical Specifications**

Dimensions: 6mm

Material: PVC

05m (16.5 feet), terminated with connectors

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	<p>Cable terminated at both ends with a molded six-pole circular Connector (male and female)</p> <p>The extension to the type number Gives the length of the cable.</p> <p>Technical Specifications</p> <p>Dimensions: 6mm</p> <p>Material: PVC</p> <p>Minimum 10m (33.0 feet), terminated with connector</p> <p>Warranty: Minimum 1 Year</p> <p>Accepted/approved by the engineer-in-charge.</p>	Each	25,154.00	25,143.00	25,102.00	25,102.00

## 10.2 DIGITAL CONFERENCE SYSTEM (WIRELESS)

### 10.2.1 Wireless Conference Access Point with web server

Supply, Installation, testing and commissioning of Wireless Conference Access Point

The Wireless Conference Access Point shall have the following technical features or equivalent:

#### Electrical

Supply Voltage: 24 V (24V-15W ACDC adapter), 48 V (PoC)

Power Consumption: 7W to 10W

Ethernet Port: LAN, TCP/IP

Modulation: OFDM

Transmitting Power: <20dBm

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**Connectivity**

Power connector  
 RJ45 LAN connection, RJ45 in from engine, RJ45 out to next access Point  
 Capacity: 2048 delegate or chairman units  
 Range: 30 m (Minimum)  
 Modulation: OFDM  
 RF: Quad-Band 2.4 GHz and 5 GHz  
 Security: 3 layers with 128 bit AES encryption  
 Control: Built in web server for Browser based control from any device  
 Camera control integration capable

Two overload activity  
 LEDs  
 Three R-SMA antenna connectors  
 6.3 mm jack balanced analog in and out  
 CE Certified  
 Operating temperature: 5° - 50°C  
 Material: Aluminium  
 Warranty: Minimum 1 Year  
 Accepted/approved by the engineer-in-charge.

Each                      331,978.00                      331,967.00                      331,925.00                      331,925.00

**10.2.2 Wireless Conference Chairman Unit**

Supply, Installation, testing and commissioning of the Wireless Conference Chairman Unit  
 The Wireless Conference Chairman Unit shall have the following technical features or equivalent :

A collection of handwritten signatures and initials in black and blue ink, including names like 'Suh', 'A', 'Tea', 'S', 'Suh', 'Ruh', 'E', 'TA', and 'M', along with various scribbles and marks.

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- Wireless chairman unit with built-in loudspeaker, microphone connector, prior and next-in-line button
- GSM immune gooseneck microphone of 40 cm with bi-colour led ring indication (red / green)
- Windscreen included
- Lithium-ion Battery pack for wireless Conference unit
- Microphone on/off or request-to-speak button with two signaling LEDs

- Two headphone outputs
- One headphone volume adjustment; Priority button; Next-in-line button
- Battery and range status color LED
- CE Certified
- Material: PC/ABS
- Audio quality: 16 bit digital
- Security: Three layers with 128 bit AES encryption
- Display type: OLED 128 x 64 or equivalent
- Operating temperature: -5 to 55°C
- Battery capacity: Minimum 6600 mAh
- Battery autonomy: Minimum 28 hours on single charge
- Built-in high-quality loudspeaker which is automatically muted when the microphone is active, to prevent acoustic feedback.

Warranty: Minimum 1 Year  
Accepted/approved by the engineer-in-charge.

Each	150,375.00	150,364.00	150,322.00	150,322.00
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**10.2.3 Wireless Conference Delegate Unit**

Supply, Installation, testing and commissioning of the Wireless Conference Delegate Unit

The Wireless Conference Delegate Unit shall have the following technical features or equivalent :

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- Wireless delegate unit with built-in speaker and microphone connector
- GSM immune gooseneck microphone of 40 cm with bi-colour led ring indication (red / green)
- Windscreen included
- Lithium-ion Battery pack for wireless Conference unit
- Microphone on/off or request-to-speak button with two signaling LEDs
- Two headphone outputs
- One headphone volume adjustment
- Next-in-line button
- Battery and range status color LED
- CE Certified

- Material: PC/ABS
- Audio quality: 16 bit digital
- Security: Three layers with 128 bit AES encryption
- Display type: OLED 128 x 64 or equivalent
- Operating temperature: -5 to 55°C
- Battery capacity: Minimum 6600 mAh
- Battery autonomy: Minimum 28 hours on single charge
- Built-in high-quality loudspeaker which is automatically muted when the microphone is active, to prevent acoustic feedback

Warranty: Minimum 1 Year

Accepted/approved by the engineer-in-charge.

Each                      140,558.00                      140,547.00                      140,506.00                      140,506.00

10.2.4 **Wireless Conference Battery Charging Tray**

Charging tray for 6 battery packs 19" rack mountable

Material: PC/ABS

Supply Voltage: 100 – 230 VAC

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	Output power: 100 W Operating temperature : -100 to 60°C Loop-through mains connector CE Certified Warranty: Minimum 1 Year Accepted/approved by the engineer-in-charge.	Each	122,766.00	122,755.00	122,713.00	122,713.00

#### 10.2.5 Two Nos Tracking Camera for Conference System Including Software

Supply, Installation, testing and commissioning of Two Nos Tracking Camera for Conference System Including Software

The Conference Camera shall have the following technical features or equivalent :

Sensor: 1/2.8" 2 MP CMOS or above

Video Output: 1080p 60 / 59.94 / 50 fps, 1080i 60 / 59.94 / 50 fps, 1080p 30 / 29.97 / 25 fps, 720p 60 / 59.94 / 50 fps

Optical Zoom: 20x

Panning Angle : -170° ~ +170°

Tilting Angle: -30° ~ +90°

Preset Positions: 128

Video Output (HD) Interface: 3G-SDI

PoE: PoE+ (IEEE802.3at)

Camera Control Interface: RS-232 / RS-422 / Ethernet

Camera Control Protocol: VISCA / PELCO D

Video S/N Ratio: > 50dB

Shutter Speed : 1/1 ~ 1/10,000 sec

Focal Length: f = 4.7 ~ 94 mm

3D NR : Yes

Horizontal Viewing Angle: 63° or above

Aperture: F1.6 ~ 3.5

Minimum Illumination: 1.0 lux (F1.6, 50 IRE, 30fps)

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Minimum Object Distance: 1.2m

Gain Control: Auto, manual

White Balance: Auto, indoor, outdoor, one-push, manual

Exposure Control: Auto, manual

Image Flip : Yes

Audio Input : Line In / MIC In

Audio Output: Ethernet, SDI and HDMI

#### Camera Software

- Software for setting up tracking camera to current speaker
- Automatic camera tracking works by creating camera presets for each microphone location in the room
- With the software, the installer can pan, tilt, and zoom the camera to different positions and can save these positions as camera presets that can be recalled automatically when microphones become active
- Two or more cameras are used to ensure the current view is shown until the second camera has moved and is ready to show its view. This ensures a smooth transition of video without showing the camera motion during the pan, tilt, or zoom maneuvers
- A camera typically takes only a second or two to move to a new position before the video switcher transitions to that camera view.

#### Broadcast Device

Total Video Inputs : 8 (Minimum)

Total Video Outputs : 8 (Minimum)

SDI Rates : 270Mb, 1.5G, 3G

SDI Video Inputs : 4 x 10-bit SD/HD switchable. 2 channel embedded audio

SDI Program Output : 5 x 10-bit SD/HD switch-able

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	SDI Audio Outputs : 2 Chembedded into SDI output SD Video Standards : 525i59.94 NTSC 4:3 or 16:9, 625i50 PAL 4:3 or 16:9 HD Video Standards : 720p50, 720p59.94 1080p23.98, 1080p24, 1080p25, 1080p29.97, 1080p50, 1080p59.94, 1080i50, 1080i59.94 SDI Compliance : SMPTE 259M, 292M and 424M  Video Sampling : 4:2:2 10-bit Color Precision : Color Space : 4:2:2 YUV Power Supply : 1 x internal 110 – 240V AC Operating Temperature : 5° C to 40° C (41° - 104°F) Storage Temperature : -10° to 60° C (14° to 140°F) Relative Humidity : 0% to 90% non-condensing Warranty : Minimum 1 Year Accepted/approved by the engineer-in-charge.	Each	1,473,133.00	1,473,122.00	1,473,080.00	1,473,080.00

10.2.5.1 **Integrated Camera**

Supply, Installation, testing and commissioning of integrated camera which has the following technical specification or equivalent:

Sensor : 1/2.8" 2 MP CMOS or above

Video Output : 1080p 60 / 59.94 / 50 fps, 1080i 60 / 59.94 / 50 fps, 1080p 30 / 29.97 / 25 fps, 720p 60 / 59.94 / 50 fps

Optical Zoom: 20x

Panning Angle: -170° ~ +170°

Tilting Angle: -30° ~ +90°

Preset Positions: 128

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	Video Output (HD) Interface : 3G-SDI PoE: PoE+ (IEEE802.3at) Camera Control Interface: RS-232 / RS-422 / Ethernet Camera Control Protocol : VISCA / PELCO D Video S/N Ratio: > 50dB Shutter Speed: 1/1 ~ 1/10,000 sec Focal Length: f = 4.7 ~ 94 mm 3D NR: Yes Horizontal Viewing Angle: 63° Aperture: F1.6 ~ 3.5 Minimum Illumination: 1.0 lux (F1.6, 50 IRE, 30fps) Minimum Object Distance: 1.2m Gain Control: Auto, manual White Balance: Auto, indoor, outdoor, one-push, manual Exposure Control: Auto, manual Focus System: Auto, manual Image Flip: Yes Audio Input : Line In / MIC In Audio Output: Ethernet, SDI and HDMI Warranty : Minimum 1 Year Accepted/approved by the engineer-in-charge.	Each	306,762.00	306,762.00	306,762.00	306,762.00

### 10.3 MULTIMEDIA PROJECTOR

10.3.1 Supply, installation, testing, commissioning multimedia projector including all necessary accessories & Warranty/Service Support of following technical specification or equivalent:

Projection Technology: RGB liquid crystal shutter projection system (3LCD)

Brightness: 5,000lm or above

Connectivity: Network: Wired LAN: RJ45 x 1

Wireless : Optional

Analog Input : D-Sub 15Pin: 2 (1 Blue, 1 Black)

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Composite : 1Digital

Input : HDMI: 2

HDBASET (RX): N/A Output Terminal: D-Sub 15Pin: 1 (Black)

Audio Input : RCA (White/Red): 1

Stereo Mini Jack: 2 Audio Output: Stereo

Mini Jack: 1 Control

USB Type B: 1 (for USB Display, Mouse, K/B, Control, Firmware Update, Copy OSD Settings)

Contrast Ratio: 15,000:1

Screen Size (Projected Distance): Zoom : Wide: 50" - 300" [1.46 - 8.95 m]

Zoom: Tele: 50" - 300" [2.43 - 14.79 m]

Operating Temperature: Below 2,286m / 7,500ft: 5 - 40 °C <41 - 104 °F>

Above 2,286m / 7,500ft (w/ High Altitude Mode): 5 - 35 °C <41 - 95 °F>

Sound Output: 16W

Power Consumption: (220 - 240V)

Lamp On (Normal/Eco) : 405W / 323W Networked Standby (maximum)

Energy Saving: 2.41W / 0.31W

Fan Noise (Normal/Eco) : 39dB / 29dB

LCD: Size: 0.76" (D10, C2 Fine)

Native Resolution: WUXGA (1920 x 1200)

Projection Lens: Type: Optical Zoom (Manual) / Focus (Manual)

F-Number: 1.5 - 2.0

Focal Length : 23 - 38.4 mm

Zoom Ratio: 1 - 1.6

Throw Ratio: 1.38 - 2.28 (Wide to Tele) Lamp: Type: Lamp

Life (Normal / Eco)\*1: 5,000 / 10,000 hours (Minimum)

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Suitable for use in tropical country like BANGLADESH. Complete with required accessories and in conformity to specified codes & specification of international standards & CE / UL / CSA certified.

Warranty : Minimum 1 Year

Accepted/approved by the engineer-in-charge.

Each	257,926.00	257,815.00	257,398.00	257,398.00
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10.3.2 Supply, installation, testing, commissioning multimedia projector including all necessary accessories & Warranty/Service Support of following technical specification or equivalent:

Projection Technology: 3LCD Technology, RGB liquid crystal shutter

LCD Panel: 0.59 inch with MLA (D9)

Image Size(Projected Distance): 33" to 320" 1.68 m - 2.02 m ( 60 inch screen)

Projector Lens: Optical

Lamp Type: UHE, 210 W, 6,000 h durability, 10,000 h durability (economy mode)

Native Resolution: WXGA, 1280 x 800, 16:10

Brightness: **3,300 Im or above**

Contrast Ratio: 15,000 : 1

Noise Level: 37 / 28 dB

Connectivity: USB 2.0 Type A, USB 2.0 Type B, VGA in, HDMI in, Composite in, Cinch audio in, Wireless LAN IEEE 802.11b/g/n (optional)

Environment: Temperature Operation : 5° C - 35° C, Storage -10° C - 60° C ; Humidity

Operation: 20% - 80%, Storage 10% - 90%

Sound Output: 2 Watt

Power: 282 Watt, 203 Watt (economy), 0.2 Watt (standby)

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	Included Accessories: Main unit, Power cable, Quick Start Guide, Remote control incl. batteries, User manual (CD), VGA cable Advanced Features: AV mute slide, Automatic keystone correction, Built-in speaker, Horizontal and vertical keystone correction, Long lamp life, Quick Corner Suitable for use in tropical country like BANGLADESH. Complete with required accessories and in conformity to specified codes & specification of international standards & CE / UL / CSA certified. Warranty : Minimum 1 Year Accepted/approved by the engineer in charge	Each	55,463.00	55,352.00	54,935.00	54,935.00
10.4	<b>MULTIMEDIA SCREEN</b> Supply, installation, testing, commissioning multimedia projector screen including all necessary accessories & Warranty/Service Support of following technical specification or equivalent:					
10.4.1	<b>5' x 5'</b>					
10.4.1.1	Tripod (High Contrast Gray Screen)	Each	3,681.00	3,680.00	3,676.00	3,676.00
10.4.1.2	Manual wall / ceiling screen	Each	3,558.00	3,557.00	3,554.00	3,554.00
10.4.1.3	Motorized/ Electric screen	Each	8,099.00	8,097.00	8,094.00	8,094.00
10.4.2	<b>6' x 6'</b>					
10.4.2.1	Tripod (High Contrast Gray Screen)	Each	3,927.00	3,925.00	3,922.00	3,922.00
10.4.2.2	Manual wall / ceiling screen	Each	3,681.00	3,680.00	3,676.00	3,676.00
10.4.2.3	Motorized/ Electric screen	Each	9,326.00	9,324.00	9,321.00	9,321.00
10.4.3	<b>7' x 7'</b>					
10.4.3.1	Tripod (High Contrast Gray Screen)	Each	7,976.00	7,975.00	7,971.00	7,971.00
10.4.3.2	Manual wall / ceiling screen	Each	6,749.00	6,748.00	6,744.00	6,744.00

Item No.	Description of Items	Unit	Unit Rate in Dhaka & Mymensingh Zone (Tk)	Unit Rate in Chattogram & Sylhet Zone (Tk)	Unit Rate in Khulna, Barishal & Gopalganj (Tk)	Unit Rate in Rajshahi & Rangpur (Tk)
10.4.3.3	Motorized/ Electric screen	Each	13,007.00	13,005.00	13,002.00	13,002.00
10.4.4	<b>8' x 8'</b>					
10.4.4.1	Tripod (High Contrast Gray Screen)	Each	11,166.00	11,165.00	11,161.00	11,161.00
10.4.4.2	Manual wall / ceiling screen	Each	9,203.00	9,202.00	9,198.00	9,198.00
10.4.4.3	Motorized/ Electric screen	Each	15,461.00	15,460.00	15,456.00	15,456.00
10.4.5	<b>10'x7.5'</b>					
10.4.5.1	Manual wall / ceiling screen (Manual 150" Diagonal)	Each	11,412.00	11,410.00	11,407.00	11,407.00
10.4.5.2	Motorized/ Electric screen (Motorized 150" Diagonal)	Each	20,369.00	20,368.00	20,364.00	20,364.00
10.4.6	<b>12'x9'</b>					
10.4.6.1	Motorized/ Electric screen (Motorized 180" Diagonal)	Each	43,069.00	43,068.00	43,064.00	43,064.00
10.4.7	<b>14'x14'</b>					
10.4.7.1	Motorized/ Electric screen (Motorized 238" Diagonal)	Each	76,200.00	76,198.00	76,195.00	76,195.00
10.4.8	<b>16'x16'</b>					
10.4.8.1	Motorized/ Electric screen (Motorized 272" Diagonal)	Each	147,369.00	147,367.00	147,364.00	147,364.00
10.5	<b>PROFESSIONAL DISPLAY SOLUTION (INDOOR)</b>					
10.5.1.1	<b>Interactive Display</b>					
10.5.1.1	Supply, installation, testing, commissioning of 65 Inch All in One Interactive Display including all necessary accessories & Warranty/Service Support of following technical specification or equivalent					

Panel

Item No.	Description of Items	Unit	Unit Rate in Dhaka & Mymensingh Zone (Tk)	Unit Rate in Chattogram & Sylhet Zone (Tk)	Unit Rate in Khulna, Barishal & Gopalganj (Tk)	Unit Rate in Rajshahi & Rangpur (Tk)
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Screen Size: 65 inch  
 Panel Technology: IPS  
 Back Light Type: M+, Direct  
 Aspect Ratio : 16:9  
 Native Resolution: 3,840 X 2,160 (UHD)  
 Brightness: Tpy: 350 cd/m2 (W/Protection Glass)  
 Contrast Ratio: 1,200:1,  
 Viewing Angle (HXV) : 178 X 178 (minimum)  
 Response Time: 9 ms (Gto G)  
 Life Time (Typ): 30,000 Hrs (Min)  
 Operation Hours: 16Hrs, Orientation: Landscape

**Connectivity (Input)**

Video/Audio: HDMI (3) RGB / Audio In,  
 External control: RS232C In, RJ45,  
 USB: USB 2.0 (3, Front : 2ea, Bottom side: 1ea, Only for software update), USB 3.0 (3), Touch Out(USB2.0,B Type)

**Connectivity (Output)**

Video/Audio: HDMI (1), Optical Output / Audio Out

**Mechanical Specification**

Mount Interface: 600 X 400

**Key Features**

HW: Internal Memory (16GB), SoC (Hisi 811, Dual core A73+Dual core A53), DDR(3GB)  
 Wi-Fi(Built-in, Slot type)  
 Power Indicator, Local Key Operation(1, Power button)  
 SW: Android 8.0 or updated

**ENVIRONMENT CONDITIONS**

Operation Temperature: 0 °C to 40 °C, Operation Humidity: 10 % to 80 %

*(Handwritten signatures and marks)*