

## 6.2 Technical Specification

The Plant & Equipment shall comply with following Technical Specifications:

### 6.2.2.2.1 GTP of Video Wall Panel

(To be filled up and signed by the Manufacturer & Tenderer, otherwise the offer will not be acceptable)

| Sl. No. | Name of Item             | Unit | Required specifications                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | Full Technical Specification & Standard (to be mentioned) |
|---------|--------------------------|------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------|
| 1       | Brand                    |      | Renowned international brand, who is a display manufacturer and own factory in origin country                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                                                           |
| 2       | Model                    |      | To be mentioned by the bidder                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                                                           |
| 3       | Country of Origin        |      | To be mentioned by the bidder                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                                                           |
| 4       | Country of Manufacture   |      | To be mentioned by the bidder                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                                                           |
| 5       | Video Wall Configuration |      | For SOC Room: 3x3<br>For NOC Room: 3x3                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                                                           |
| 6       | Video Wall Orientation   |      | Should be Landscape                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                                                           |
| 7       | Size of each panel       |      | Should be min. 55"                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                                                           |
| 8       | Panel Technology         |      | Should be IPS                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                                                           |
| 9       | Contrast Ratio           |      | Should be Min. 1100:1                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                                                           |
| 10      | Dynamic CR               |      | Should be 500,000:1 or higher                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                                                           |
| 11      | Color Gamut              |      | Should be NTSC 72%                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                                                           |
| 12      | Viewing Angle            |      | Should be 178 x 178                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                                                           |
| 13      | Native Resolution        |      | Should be Min. 1920x1080                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                                                           |
| 14      | Brightness               |      | Should be Min. 500 nit                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                                                           |
| 15      | Color Depth              |      | Should be Min. 10 bit (1.07B colors)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                                                           |
| 16      | Haze                     |      | Should be 28% or better                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                                                           |
| 17      | Lifetime                 |      | Should be Min. 60,000 hrs                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                                                           |
| 18      | Operation Hours          |      | Should be 24/7                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |                                                           |
| 19      | Portrait/Landscape Mode  |      | Should support both Portrait & Landscape Mode                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                                                           |
| 20      | Bezel Area               |      | Should be max. 0.44 mm (even)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                                                           |
| 21      | Response Time (G to G)   |      | Should be 8 ms or better                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                                                           |
| 22      | Internal Memory          |      | Should be Min. 8 GB                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                                                           |
| 23      | Built in Sensors         |      | Temperature Sensor, BLU Sensor, Acceleration(Gyro)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                                                           |
| 24      | Built In OS              |      | Must be from same OEM                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                                                           |
| 25      | Embedded CMS (Built in)  |      | Should have built in CMS                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                                                           |
| 26      | S/W features             |      | Local Contents Scheduling, Group Manager, USB Plug & Play, Fail Over, Background Image (No Signal Image), Sync Mode (RS-232C Sync, Local Network Sync), Video Tag (4), Play via URL, Rotation (Screen Rotation, External Input Rotation), Gapless Playback, Tile Mode Setting (Max. 15 x 15), Setting Data Cloning, SNMP, ISM Method, Auto Set ID, Status Mailing, Control Manager, 3rd Party Compatibility, Power (Smart Energy Saving, PM Mode, Wake on LAN, Network Ready), HDMI-CEC, SI Server Setting, webRTC, Pro:Idiom, W/B Setting by Grey Scale, Scan Inversion |                                                           |
| 27      | OPS type compatible      |      | Should be OPS compatible                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                                                           |
| 28      | Connectivity (Input)     |      | Should have Min. HDMI x 2 (HDCP2.2), DPx1 (HDCP2.2), DVI-Dx1 (HDCP1.4), Audio x 1, USB2.0x1 Type A                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                                                           |

| Sl. No. | Name of Item                           | Unit | Required specifications                                                                                                                                                                                                                                                                                                      | Full Technical Specification & Standard (to be mentioned) |
|---------|----------------------------------------|------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------|
| 29      | Connectivity (Output)                  |      | Should have Min. DP Out (Input : HDMI / DVI / DP), Audio Out, RS-232C Out, RJ45 (LAN)                                                                                                                                                                                                                                        |                                                           |
| 30      | Circuit Board Sheilding                |      | Conformal coating on power board must be available                                                                                                                                                                                                                                                                           |                                                           |
| 31      | Image Gap Reduction                    |      | Must have image improvement algorithm that can reduce image gaps among tiled displays when playing back videos. Objects located on the bezel boundaries are adjusted for a seamless viewing experience.                                                                                                                      |                                                           |
| 32      | Daisy Chain Capability                 |      | Must have Daisy Chain Capability                                                                                                                                                                                                                                                                                             |                                                           |
| 33      | Smart Calibration                      |      | Smart calibration by remote controller must be available                                                                                                                                                                                                                                                                     |                                                           |
| 34      | Remote Content & Device Management S/W |      | Manufacturer's must have their own content management and device management S/W options available if required                                                                                                                                                                                                                |                                                           |
| 35      | Power Consumption (Typ/Max)            |      | Shoule be Max. 250W / 200W                                                                                                                                                                                                                                                                                                   |                                                           |
| 36      | Certifications                         |      | Must have FCC Class- B, Energy Star 8.0, CB/NRTL, Nemko                                                                                                                                                                                                                                                                      |                                                           |
| 37      | IP Rating                              |      | Minimum IP5X tested                                                                                                                                                                                                                                                                                                          |                                                           |
| 38      | Installation                           |      | Bidder should responsible for installation and commissioning including required connectivity cable as per site requirement.                                                                                                                                                                                                  |                                                           |
| 39      | Documentation                          |      | <ul style="list-style-type: none"> <li>- Bidder should provide relevant documents as reference of their compliance of the specific feature.</li> <li>- Bidder must clearly mention the OEM model number.</li> <li>- Bidder must submit manufacturer authorization letter direct from OEM along with bid document.</li> </ul> |                                                           |
| 40      | Warranty                               |      | <ul style="list-style-type: none"> <li>- Bidder should provide Three (03) years warranty</li> <li>- Manufacturer's must have country office in Bangladesh &amp; OEM toll free call centre service support for any emergency</li> </ul>                                                                                       |                                                           |

[The Tenderer should complete all the columns as required]

Signature:

Name & Designation of tenderer

Signature

Name and Designation of Manufacturer

Duly authorised to sign the Tender for and on behalf of the Tenderer

*[Handwritten signatures]*

*[Handwritten signature]*

### 6.2.2.2 GTP of Videowall Processor

(To be filled up and signed by the Manufacturer & Tenderer, otherwise the offer will not be acceptable)

| Sl. No. | Name of Item           | Unit | Required specifications                                                                                                                                                                                                                                                               | Full Technical Specification & Standard (to be mentioned) |
|---------|------------------------|------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------|
| 1       | Brand                  |      | Renowned international brand, who is a display manufacturer and own factory in origin country                                                                                                                                                                                         |                                                           |
| 2       | Model                  |      | To be mentioned by the bidder                                                                                                                                                                                                                                                         |                                                           |
| 3       | Country of Origin      |      | To be mentioned by the bidder                                                                                                                                                                                                                                                         |                                                           |
| 4       | Country of Manufacture |      | To be mentioned by the bidder                                                                                                                                                                                                                                                         |                                                           |
| 5       | General Features       |      | Videowall Processor should be able to handle min. 36 input sources and manages min. 20 displays in any sizes at various types of resolutions from a single chassis                                                                                                                    |                                                           |
|         |                        |      | Device should be Modular with min. 7 input slots and min. 5 output slots and min. 2 function board slots, which should also work as input board slots, to meet various expansion needs                                                                                                |                                                           |
|         |                        |      | Should handle true 4K input sources, supports near-zero-second seamless source switching and transmits high quality video streams without delay                                                                                                                                       |                                                           |
|         |                        |      | Should support custom resolutions and enable upscaling of video signals for crystal clear, accurate imagery regardless of the display size or type from LED, LCD, DLP, to other large screens                                                                                         |                                                           |
|         |                        |      | Should have reliable 24/7 operation with hot-swappable, redundant CPU control board and dual power modules, and hotswappable input / output cards and cooling fan module                                                                                                              |                                                           |
|         |                        |      | Should be HDCP 2.2 compliant                                                                                                                                                                                                                                                          |                                                           |
|         |                        |      | Outputs signals should be in customizable layouts, such as PiP, PbP, source cropping, overlapping, and spreading across multiple screens, and in any sizes based on aspect ratio in real-time                                                                                         |                                                           |
|         |                        |      | Should be able to customize organization's logo, color schemes and scrolling text                                                                                                                                                                                                     |                                                           |
|         |                        |      | Should be able to control via RS 232 & Ethernet connection as well as from the front panel buttons                                                                                                                                                                                    |                                                           |
|         |                        |      | Should support integration with 3rd party devices via RS232, Ethernet and RESTful API                                                                                                                                                                                                 |                                                           |
|         |                        |      | Should avoid image tearing by synchronizing the scaler output frame rate to the input signal frame rate                                                                                                                                                                               |                                                           |
|         |                        |      | Should select optimum EDID settings for smooth power-up, high-quality display and use of the best video resolution across different screens                                                                                                                                           |                                                           |
| 6       | Input Interface        |      | Should support SSH to strengthen data and information protection                                                                                                                                                                                                                      |                                                           |
|         |                        |      | Min. three videowall processor should be daisy-chained together to run as a unified system                                                                                                                                                                                            |                                                           |
|         |                        |      | Device should have min. 6 x input slots. Bidder should provide 2 x 4-Port HDMI Input Board from day one. Input Board should have 4 x HDMI Type-A Female port, 18 Gbps Data Rate, 600 MHz Pixel Clock, HDCP 2.2 & Consumer Electronics Control Compatible, support 4096 x 2160 @ 60 Hz |                                                           |

| Sl. No. | Name of Item      | Unit | Required specifications                                                                                                                                                                                                                                                                                                      | Full Technical Specification & Standard (to be mentioned) |
|---------|-------------------|------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------|
|         |                   |      | resolution, hot-swappable                                                                                                                                                                                                                                                                                                    |                                                           |
| 7       | Output Interface  |      | Device should have min. 5 x output slots. Bidder should provide 3 x 4-Port HDMI output Board from day one. Input Board should have 4 x HDMI Type-A Female port, 18 Gbps Data Rate, 600 MHz Pixel Clock, HDCP 2.2 & Consumer Electronics Control Compatible, support 4096 x 2160 @ 60 Hz resolution, hot-swappable            |                                                           |
| 8       | Control Interface |      | Should be RS-232, Ethernet, USB                                                                                                                                                                                                                                                                                              |                                                           |
| 9       | Communication     |      | Should have min. 2 x RJ45 ports for Daisy Chain                                                                                                                                                                                                                                                                              |                                                           |
| 10      | Local Output      |      | Should have min. 1 x HDMI Local Output                                                                                                                                                                                                                                                                                       |                                                           |
| 11      | Power             |      | Should have dual hot-swappable power modules                                                                                                                                                                                                                                                                                 |                                                           |
| 12      | Installation      |      | Bidder should responsible for installation and commissioning including required connectivity cable as per site requirement. Installation work should be completed through OEM certified engineer of the proposed brand. Evidence should be submitted along with proposal.                                                    |                                                           |
| 13      | Documentation     |      | <ul style="list-style-type: none"> <li>- Bidder should provide relevant documents as reference of their compliance of the specific feature.</li> <li>- Bidder must clearly mention the OEM model number.</li> <li>- Bidder must submit manufacturer authorization letter direct from OEM along with bid document.</li> </ul> |                                                           |
| 14      | Warranty          |      | Bidder should provide one (01) year full warranty                                                                                                                                                                                                                                                                            |                                                           |

[The Tenderer should complete all the columns as required]

Signature:

Name & Designation of tenderer

Signature

Name and Designation of Manufacturer

Duly authorised to sign the Tender for and on behalf of the Tenderer

*[Handwritten signatures and marks]*

### 6.2.2.3 GTP of HDMI Matrix Switcher

(To be filled up and signed by the Manufacturer & Tenderer, otherwise the offer will not be acceptable)

| Sl. No. | Name of Item            | Unit | Required specifications                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | Full Technical Specification & Standard (to be mentioned) |
|---------|-------------------------|------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------|
| 1       | Brand                   |      | To be mention by bidder                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                                                           |
| 2       | Model                   |      | To be mention by bidder                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                                                           |
| 3       | Origin of the Brand     |      | To be mentioned by the bidder                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                                                           |
| 4       | Country of Manufacturer |      | To be mention by bidder                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                                                           |
| 5       | Features                |      | <p>Switcher should features seamless switching that employs an field-programmable gate array matrix architecture that allows continuous video streams, real-time control, and stable signal transmissions</p> <p>Should have built-in high-performance scaler which converts various input resolutions into various output display resolutions</p> <p>Switcher should have close-to-zero second switching for continuous video streams, real-time switching, and stable signal transmissions</p> <p>Should have EDID settings, FrameSync settings, Electrostatic Discharge protection for HDMI</p> <p>HDMI audio should be extracted to stereo audio</p> |                                                           |
| 6       | Video Input Interface   |      | Should have min. 8 x HDMI Type A Female with 100 $\Omega$ Impedance                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                                                           |
| 7       | Video Output Interface  |      | Should have min. 9 x HDMI Type A Female with 100 $\Omega$ Impedance                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                                                           |
| 8       | Video Features          |      | shoul have min. 10.2 Gbps Data Rate, 340 MHz Pixel Clock, HDCP 2.2 Compatible, Consumer Electronics Control, HDMI (3D, Deep Color, 4K)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                                                           |
| 9       | Audio Features          |      | Should have 1 x Mini Stereo Jack                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                                                           |
| 10      | Control Features        |      | Should have RS-232 & Ethernet control                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                                                           |
| 11      | Operating Temperature   |      | Should be -20° to 60° C                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                                                           |
| 12      | Humidity                |      | Should be 0 - 80% RH, Non-Condensing                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                                                           |
| 13      | Housing                 |      | Should have Metal Housing                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                                                           |
| 14      | Installation            |      | Bidder should responsible for installation and commissioning including required connectivity cable as per site requirement. Installation work should be completed through OEM certified engineer of the proposed brand. Evidence should be submitted along with proposal.                                                                                                                                                                                                                                                                                                                                                                                |                                                           |
| 15      | Documentation           |      | <p>- Bidder should provide relevant documents as reference of their compliance of the specific feature.</p> <p>- Bidder must clearly mention the OEM model number.</p> <p>- Bidder must submit manufacturer authorization letter direct from OEM along with bid document.</p>                                                                                                                                                                                                                                                                                                                                                                            |                                                           |

| Sl. No. | Name of Item | Unit | Required specifications                           | Full Technical Specification & Standard (to be mentioned) |
|---------|--------------|------|---------------------------------------------------|-----------------------------------------------------------|
| 16      | Warranty     |      | Bidder should provide one (01) year full warranty |                                                           |

[The Tenderer should complete all the columns as required]

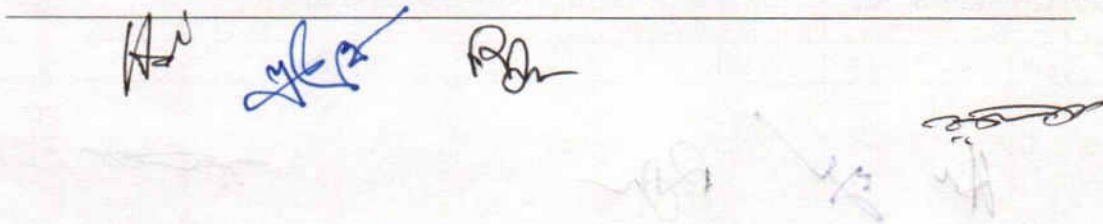
Signature:

Name & Designation of tenderer

Signature

Name and Designation of Manufacturer

Duly authorised to sign the Tender for and on behalf of the Tenderer



#### 6.2.2.4 GTP of Control System

(To be filled up and signed by the Manufacturer & Tenderer, otherwise the offer will not be acceptable)

| Sl. No. | Name of Item            | Unit | Required specifications                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | Full Technical Specification & Standard (to be mentioned) |
|---------|-------------------------|------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------|
| 1       | Brand                   |      | To be mentioned by the bidder                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                                                           |
| 2       | Model                   |      | To be mentioned by the bidder                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                                                           |
| 3       | Country of Origin       |      | To be mentioned by the bidder                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                                                           |
| 4       | Country of Manufacturer |      | To be mentioned by the bidder                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                                                           |
| 5       | General Features        |      | <ul style="list-style-type: none"> <li>• Should have high performance processor embedded with quad-core CPU and 2 GB memory for designing and controlling complex projects</li> <li>• Should have Dual, isolated LAN for secured communication among IT devices</li> <li>• Should support various interface connections for hardware-software integration and mobile device control</li> <li>• Should have USB port for easy project upload</li> <li>• Should have LCD display shows the option for configuration and information display</li> <li>• Should have IR learning function for adding IR device drivers</li> <li>• Should support native KNX IP for building management systems</li> <li>• Should support Telnet, TCP, UDP, HTTP, HTTPS, ONVIF, and PJLink compliant</li> <li>• Should support Pronto formatted IR codes</li> <li>• Should be able to enable integration with Modbus devices, including TCP, RTU, and its checksum data</li> <li>• Should support Telnet CLI (command-line interface) mode for third- party system integration</li> <li>• Should support centralized control and management</li> <li>• Should support project file backup</li> <li>• Should have Web GUI for easy system configuration</li> <li>• Should support SSH communication for data monitoring</li> <li>• Should have LED indication of connection and hardware status</li> </ul> |                                                           |
| 6       | Memory                  |      | Should have min. 2GB SDRAM and min. 8GB Flash Memory                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                                                           |
| 7       | Interfaces              |      | Should have min. 2 x Programmable Bi-directional RS-232/422/485 Serial Port and min. 6 x Bidirectional RS-232 Serial Port, min. 8 x Programmable IR / Unidirectional RS-232 Serial Port, min. 8 x Relay Channel, min. 8 x Programmable Digital Input / Output Channel, min. 2 x RJ-45 Female, 10 / 100 / 1000 Base-T, min. 1 x USB Type-A                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                                                           |
| 8       | Switches                |      | Should have On/Off Switch and IR Receiver LED                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                                                           |
| 9       | Selection Option        |      | Should have min. 3 x pushbuttons and reset button                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                                                           |
| 10      | Control Panel Support   |      | Device should support Min. 32 Control panels and should have Min. 2 license for mobile/tab control (if required)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                                                           |
| 11      | Control Panel Features  |      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                                                           |

| Sl. No. | Name of Item          | Unit | Required specifications                                                                                                                                                                                                                                                                                                      | Full Technical Specification & Standard (to be mentioned) |
|---------|-----------------------|------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------|
| 12      | Key Features          |      | <ul style="list-style-type: none"> <li>• Should have Control System app</li> <li>• Should support Power over Ethernet (PoE)</li> <li>• Should have capacitive multi-touch screen</li> <li>• Should be able to mount on wall and Tabletop</li> </ul>                                                                          |                                                           |
| 13      | Processor             |      | System should have at least Quad-core processor                                                                                                                                                                                                                                                                              |                                                           |
| 14      | Memory                |      | Should have min. 2GB SDRAM and min. 8GB Flash Memory                                                                                                                                                                                                                                                                         |                                                           |
| 15      | Display               |      | Should be Min. 10 Inches TFT-LCD Capacitive touch screen                                                                                                                                                                                                                                                                     |                                                           |
| 16      | Backlight             |      | Should be LED                                                                                                                                                                                                                                                                                                                |                                                           |
| 17      | Resolution            |      | Should be at least 1280 x 800                                                                                                                                                                                                                                                                                                |                                                           |
| 18      | Aspect Ratio          |      | Should be Min. 16:10                                                                                                                                                                                                                                                                                                         |                                                           |
| 19      | Color Depth           |      | Should be Min. 8 bit                                                                                                                                                                                                                                                                                                         |                                                           |
| 20      | Contrast Ratio        |      | Should be Min. 800:1                                                                                                                                                                                                                                                                                                         |                                                           |
| 21      | Backlight             |      | Should be LED                                                                                                                                                                                                                                                                                                                |                                                           |
| 22      | Viewing Angle         |      | Should be $\pm 85^\circ$ (H), $\pm 85^\circ$ (V)                                                                                                                                                                                                                                                                             |                                                           |
| 23      | Luminance             |      | Should be Min. 500 cd/m <sup>2</sup>                                                                                                                                                                                                                                                                                         |                                                           |
| 24      | Interfaces            |      | Should have min. 1 x RJ-45 Female, 10/100/1000 BaseT PoE interface and min. 1 x USB Type-A                                                                                                                                                                                                                                   |                                                           |
| 25      | Operating Temperature |      | Should be 0 – 40 °C                                                                                                                                                                                                                                                                                                          |                                                           |
| 26      | Mounting Kit          |      | Bidder should provide same brand desktop mounting kit from day one                                                                                                                                                                                                                                                           |                                                           |
| 27      | Installation          |      | Bidder should responsible for installation and commissioning including required connectivity cable as per site requirement. Installation work should be completed through OEM certified engineer of the proposed brand. Evidence should be submitted along with proposal.                                                    |                                                           |
| 28      | Documentation         |      | <ul style="list-style-type: none"> <li>- Bidder should provide relevant documents as reference of their compliance of the specific feature.</li> <li>- Bidder must clearly mention the OEM model number.</li> <li>- Bidder must submit manufacturer authorization letter direct from OEM along with bid document.</li> </ul> |                                                           |
| 29      | Warranty              |      | Bidder should provide Three (03) years full warranty                                                                                                                                                                                                                                                                         |                                                           |

[The Tenderer should complete all the columns as required]

Signature:

Name & Designation of tenderer

Signature

Name and Designation of Manufacturer

Duly authorised to sign the Tender for and on behalf of the Tenderer

### 6.2.2.5 GTP of 20 m True 4K HDMI Active Optical Cable

(To be filled up and signed by the Manufacturer & Tenderer, otherwise the offer will not be acceptable)

| Sl. No. | Name of Item            | Unit | Required specifications                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | Full Technical Specification & Standard (to be mentioned) |
|---------|-------------------------|------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------|
| 1       | Brand                   |      | To be mentioned by the bidder                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                                                           |
| 2       | Model                   |      | To be mentioned by the bidder                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                                                           |
| 3       | Country of Origin       |      | To be mentioned by the bidder                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                                                           |
| 4       | Country of Manufacturer |      | To be mentioned by the bidder                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                                                           |
| 5       | General Features        |      | Should support min. True 4K resolution (4096 x 2160 @ 60 Hz 4 : 4 : 4)<br>Should reduce electromagnetic interference and radio-frequency interference for lowered noise interference and reliable signal transmission<br>Should be HDMI (3D, Deep Color, True 4K, HDR, ARC); HDCP 2.2 compliant<br>Should have high data transfer rate of 18 Gbps<br>Available length should be min. 20 Meter<br>Must have CE , FCC, RoHS, REACH, UL VW-1, EMC Class-A & Class-B<br>Bend Radius should be min. 20 mm<br>Cable should be hybrid type with optical fiber (OM3) and copper wire |                                                           |
| 6       | Conductor               |      | Should be 7 x Tinned Copper wire strand and 4 x OM3 Optical Fiber (50 / 125 um)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                                                           |
| 7       | Communication Signal    |      | Should have TMDS, EDID, CEC                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                                                           |
| 8       | Cable Jacket Type       |      | Should be PVC                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                                                           |
| 9       | Installation            |      | Bidder should responsible for installation, Testing and commissioning                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                                                           |
| 10      | Documentation           |      | - Bidder should provide relevant documents as reference of their compliance with page number of the specific feature.<br>- Bidder must clearly mention the OEM model number.<br>- Bidder must submit manufacturer authorization letter direct from OEM along with bid document.                                                                                                                                                                                                                                                                                              |                                                           |
| 11      | Warranty                |      | Bidder should provide Three (03) years full warranty.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                                                           |

[The Tenderer should complete all the columns as required]

Signature:

Name & Designation of tenderer

Signature

Name and Designation of Manufacturer

Duly authorised to sign the Tender for and on behalf of the Tenderer