

APEC SECRETARIAT

REQUEST FOR QUOTATION FOR VIDEO PROJECTION SOLUTION COMPRISING PROJECTOR AND MOTORISED SCREEN AT CONFERENCE ROOM, APEC SECRETARIAT

Background

The Asia-Pacific Economic Cooperation (APEC) is a regional economic forum established in 1989. APEC's 21 members aim to create greater prosperity for the people of the region by promoting balanced, inclusive, sustainable, innovative and secure growth and by accelerating regional economic integration.

The APEC Secretariat is the core supporting institution of APEC. Located in Singapore, the Secretariat provides analytical and policy support, institutional coordination in support of up to 80 APEC fora, technical and advisory support as well as financial management and communications, public information and stakeholder engagement. APEC-funded projects are a key part of the APEC process. The Secretariat is responsible for managing the APEC project system and plays a central role in the development, implementation and evaluation of around 200 projects per year. This is done in close partnership with a range of external parties including project overseers, APEC fora, project participants and project contractors.

The Asia-Pacific Economic Co-operation Secretariat is procuring a video projection solution comprising the minimum requirements below and seeks proposal and bids from Singapore-based vendors for the following:-

Scope of Work

The successful firm shall:

1. Supply, Install and Commission a Conference Room Projection System comprising, a High Definition Projector and motorized screen and associated equipment and services of the following specifications:

Projector

- a) One unit cabinet housed Full High Definition (FHD) Projector of 12,000 lumens
- b) Lens Configuration
- c) Wireless capability
- d) Standard Wired connectivity
- e) New 2-drawer cabinet to house the projector, accessories and cabling

Motorised Screen

- f) One unit motorized screen replacement
- g) Current size 4.4m by 4.4m to replace with HD format screen of similar width
- h) Robust construction with good gain and viewing angle
- i) Maintenance-free or Ease of maintenance

Installation and interfacing works

- j) The installation shall be integrated with the existing physical AV setup of the conference room including the new teleconferencing facility provided ie **Logitech Rally Pro Plus**.
- k) The system shall be installed and commissioned to work on both environments.

Warranty and Maintenance

- l) Warranty: 5 years comprising standard equipment warranty plus extended warranty with **onsite** service.

Equipment Information

m)The following equipment specs have been tested to be suitable

Projector type
Number of pixels 2,304,000 (1920 x 1200) x 1
Terminals BNC x 1: 3G/HD/SD-SDI input
HDMI 19-pin x 1 (Compatible with HDCP 2.2, Deep Color, 4K signal input)
SDI IN
HDMI IN
DVI-D IN DVI-D 24-pin x 1 (DVI 1.0 compliant, compatible with HDCP, compatible with single link only)
RGB x 1 (BNC x 5): RGB/YBPBR/YCBCR
D-sub HD 15-pin (female) x 1: RGB/YBPBR/YCBCR
RGB 1 IN
RGB 2 IN
SERIAL/MULTI-PROJECTOR SYNC IN D-sub 9-pin (female) x 1 for external control (RS-232C compliant)
D-sub 9-pin (male) x 1 for link control
M3 x 1 for wired remote control
SERIAL/MULTI-PROJECTOR SYNC OUT
REMOTE 1 IN
REMOTE 1 OUT M3 x 1 for link control (for wired remote control)
D-sub 9-pin (female) x 1 for external control (Parallel)
RJ-45 x 1 for network connection, 10Base-T, 100Base-TX (Compatible with PLink™ [Class 2], Art-Net)
REMOTE 2 IN
LAN
DIGITAL LINK/LAN RJ-45 x 1 for network and DIGITAL LINK connection (HDBaseT™ compliant), 100Base-TX (Compatible with PLink™ [Class 2], Art-Net, HDCP 2.2, Deep Color, 4K signal input)
Light output 12,000 lm*1 / 12,600 lm (Center)*2

Resolution 1920 x 1200 pixels
Contrast*1 10,000:1 (Full On/Full Off, Dynamic Contrast Mode: 3)
Screen size (diagonal) 1.27–15.24 m (50–600 in), 1.27–5.08 m (50–200 in) with ET-DLE055, 2.54–8.89 m (100–350 in) with ET-DLE035, 16:10 aspect ratio
Center-to-corner uniformity*1 90 %
Power supply AC 100–240 V, 50/60 Hz
Power consumption 1,100 W
Operation noise*1 44 dB (Normal)/41 dB (Quiet1)/38 dB (Quiet2)
Operating environment Operating temperature: 0–45 °C, operating humidity: 10–80 % (No condensation)
Supplied accessories Power cord, wireless/wired remote control unit, batteries (AAA/R03 or AAA/LR03 battery), CD-ROM (operating instructions), Lens Mount Cover

Installation & Commissioning Works

All connections, hardware cabling or via wireless connectivity shall be under the scope of works of the bidder and the bidder shall study the site for his proposed solution.

*The dismantling and removal of the existing screen shall be included in the scope of works.

Optional Works

1 unit frame-mounted FHD Video panel with wheels/castors of the following specifications

Diagonal Size	55"
Type	IPS
Resolution	1920*1080 (Full HD)
Pixel Pitch(mm)	0.63mm(H) * 0.63mm(V)
Active Display Area(mm)	1209.6 * 680.4mm
Brightness(Typ.)	700 nit
Contrast Ratio	1100:1
Viewing Angle(H/V)	178/178
Response Time(G-to-G)	8ms
Display Colors	8 bit - 16.7M
Haze	28%
Display Dynamic C/R	30,000:1
H-Scanning Frequency	57.3kHz ~ 70kHz
V-Scanning Frequency	48Hz ~ 75Hz
Maximum Pixel Frequency	78MHz

Connectivity

Input	
RGB	DVI-D, Display Port 1.2
Video	HDMI 2.0 (2)
HDCP	HDCP 2.2
Audio	Stereo mini Jack
USB	Only F/W upgrade
Output	
RGB	DP1.2(Loop-out)
Audio	Stereo mini Jack
External Control	RS232C(in/out), RJ45
External Sensor	Detachable type(IR)

Additional Information

All questions regarding this Request for Quotation shall be submitted in writing via email to procurement@apec.org

To facilitate bidders on the installation site requirements, bidders are to email procurement@apec.org requesting to carry out any site visits and measurements weekdays 10am to 4pm. Requests shall be made 3 days prior the actual site visit date.

Submission of Offer Bids

Please send detailed quotations and availability to procurement@apec.org by **Monday 7 Dec 2020 at 5:30pm sharp.**

Important Note: Bids submitted after the closing will NOT be considered.

ANNEX A

PROPOSAL SCHEDULE

(This Annex A shall be submitted to procurement@apec.org before the closing date/time with all attachments of details of your offer)

		Price SGD (GST excluded)
	Works Description	
1	HD Projector	
2	Motorised Projection Screen	
3	Installation and Commissioning	
4	Warranty and maintenance	
5	Others (Please specify)	
	Total	
A	Option 1 unit <u>frame-mounted</u> FHD Video panel with wheels/castors as specified	
	TOTAL including Option	

Authorised Signatory and Stamp

Name / Designation