

F.No.1(19)/2025/IT/NTC

Government of Pakistan

National Tariff Commission

Islamabad May 07,2025

TENDER NOTICE-II (VIDIO CONFERENCING)

The National Tariff Commission invites electronic bids from the original manufacturers/ authorized distributors/ retailers/vendors/suppliers registered with income tax and sales tax departments, having valid NTN and GST numbers for supply of the following hardware and software items:

<u>Name of Items/ Detailed Description</u>	<u>Qty</u>
All-in-One Video Conferencing Solution for Conferencing Room for Public Hearing and Online Desk Verification and Investigation. Interactive LED for video conference 86 Inch .	01

Technical Specifications

S/N	Specification	Qty
01	<u>All in one Interactive Pannel 86 inches with Pc.</u> <ul style="list-style-type: none">• Panel Type: IPS.• Backlight: D LED.• Resolution: Ultra HD 4K 3840x2160.• Aspect ratio: 16:9.• Contrast Ratio: 4000:1.• Brightness: 450 cd/m2.• Response Time: 8ms.	01

	<ul style="list-style-type: none"> • Glass: Anti-Glare Glass, • Touch Points: 20 Points in Android / 40 Points in Windows. • Camera: Built-in Dual-48MP Camera. • Speaker: Built-in Speaker 20W x 2 or higher. • Microphone: Built-in 12-Microphone Array with AGC / ANR / AEC (10M sound-pickup). • Built in Public Addressing System. • Wireless casting: Lifetime wireless casting Software. • LED Life: 50000 hours. • Android 13. • RAM: 8GB, ROM: 64 GB or higher. • CPU: A73x4+A53x4, GPU. <p><u>Operating System:</u></p> <p>-</p> <ul style="list-style-type: none"> • Windows 10 or above. • CPU: Core i5 or higher. • 12th gen or higher. • RAM: 8Gb or higher. • Hard drive: 256 Gb SSD or higher. <p><i>Including wall mount bracket & Portable Stand. (As Per Requirement)</i></p>	
2	<p><u>22 inches Monitoring Screen:</u></p> <ul style="list-style-type: none"> • 60 HZ, Ips Pannel FHD (1920x1080). • Touch glass hardness. 	01

	<ul style="list-style-type: none"> • 7H, Eco mode, View mode. • Speaker 3Wx2. • Display port VGA, Display port, HDMI & USB 3.0 HUB. • Adjustment Tilt. 	
<u>Audio Wireless microphone with video conference camera with tracking Feature</u>		
3	<p><u>Wireless conference Control unit:</u></p> <ul style="list-style-type: none"> • Built-in DSP fully digital audio module with adaptive feedback suppression. • Max expandable 76800 wired microphones, and Max expandable wireless 4096 wireless Microphones. • 6 wireless microphone units can be turned on simultaneously. • 2.4G DSSS technology, coexists with Wi-Fi, strong anti-interference. • Built-in camera tracking, supports VISCA, PELCO-D, PELCO-P. • Built-in video matrix 4×2/8×8(Optional), Audio In/Out:RCA X 2 ; XLR x 1. • Built-in auto-video tracking, Automatic microphone tracking. • FIFO, Chairman, Timed, Limited. • Supports up to 4 chairman units, priority function. • High resistance to mobile interference. • Balanced/unbalanced audio outputs. • 48-bit PIN encryption protection. 	01
4	<p><u>Wireless Transceiver:</u></p> <ul style="list-style-type: none"> • 2.4G wireless microphone signal transceiver. • Working frequency: 2.4G-2.5G. 	01

	<ul style="list-style-type: none"> • Modulation mode: DSSS. • Radiation range: 60 meters in diameter. • Transmitting power: 18dBm. • Receiving sensitivity: -88dBm. • 360 degrees all directional communication 	
5	<p><u>Wireless Conference Chairman Unit:</u></p> <ul style="list-style-type: none"> • 2.4GHz digital spread spectrum (DSSS) modulation communication technology. • USB Charging, 3000mAH Rechargeable Battery, 15hours. • LCD screen showing signal strength & Battery status. • Uni-directional electret condenser Mic with indicator ring light. GSM/Mobile/BT/FM Immunity. • Digital circuit which enables to cancel out all unwanted noise and disturbance from mobile phones and other wireless devices. • Auto Video Tracking Function. • 38cm Standard Microphone Stem. • Bass cut function. Anti-mobile phone interference. <p><u>MODE:</u></p> <ul style="list-style-type: none"> • FIFO mode. • Chairman exclusive mode. • Limited speaking mode. • Restricted speech mode 	01
6	<p><u>Wireless Conference Delegate Unit:</u></p>	10

	<ul style="list-style-type: none"> • 2.4GHz digital spread spectrum (DSSS) modulation communication technology. • USB Charging, 3000mAH Rechargeable Battery, 15hours. • LCD screen showing signal strength & Battery status. • Uni-directional electret condenser Mic with indicator ring light. GSM/Mobile/BT/FM Immunity Digital circuit which enables to cancel out all unwanted noise and disturbance from mobile phones and other wireless devices. • Auto Video Tracking Function. • 38cm Standard Microphone Stem. • Bass cut function. Anti-mobile phone interference. <p><u>FIFO mode.</u></p> <ul style="list-style-type: none"> • Chairman exclusive mode. • Limited speaking mode. • Restricted speech mode. 	
7	<p><u>12-Slots USB Charging Dock:</u></p> <ul style="list-style-type: none"> • 12 Slots USB3.0 fast charging interface, simultaneously charge 12 wireless conference Mics. • Equipped with 12 independent charging switches and status indicator lights. • LED red indicator light is on, green indicator light is off. • Normal charging end: LED red indicator light is off, green indicator light is on. • After fully charged, turn off the power switch first, unplug the charging cable and install and use. 	01

8	<p><u>6×2-Channel Feedback Suppressor:</u></p> <ul style="list-style-type: none"> • Full-time adaptive filter patented algorithm, intelligent high-speed feedback processing, even in poor environment, can greatly suppress the echo, can effectively prevent the burning of audio equipment and speakers; • Frequency response: 20Hz-20KHz • Transient response distortion: <0.1% (1kHz) • Signal-to-noise ratio: >90db • System signal delay: <11ms • Frequency shift value: -5Hz • Balanced input impedance: 68KΩ • Line input impedance: 10KΩ • Music input impedance: 10KΩ • Balanced output impedance: 1KΩ • Line output impedance: 2KΩ 	01
9	<p><u>PTZ Camera:</u></p> <ul style="list-style-type: none"> • 1/2.8" high quality image sensor. • 30x optical zoom, 10x electronic zoom lens. • 2.07 million effective pixels, and maximum resolution up to 1920 x 1080. • Horizontal rotation angle of -170°~+170°, elevation angle of -30°~+30°. • Support 8000, 16000, 32000, 44100, 48000 sampling frequency. • Support AAC, MP3, G.711A audio coding; • Support DVI (HDMI), HDMI, SDI, USB2.0, USB3.0, wired 	02

	<p>LAN audio and video output options.</p> <ul style="list-style-type: none"> • Support H.264+/H.264 video compression. • Support AAC, MP3, PCM audio compression. • Support PTZ automatic flip function. • Support VISCA, PELCO-D, PELCO-P protocol. • RS-485 control and RS-232 cascade. 	
10	<p><u>Network programmable Central Controller:</u></p> <ul style="list-style-type: none"> • Built-in network interface, support network cascading, support remote network control, compatible with IOS and Android systems. • Comes with a network port, no receiver configuration is required, the system also supports 433MHz wireless radio frequency communication technology and 2.4G/5G wireless WiFi communication technology. • Adopts domestically produced embedded processors, with small size, low power consumption, large storage, fast operation, high reliability and other characteristics. • Equipped with a 160×32 high-brightness LCD display, can display system information, support modification of display information. 	01
11	<p><u>4x4 Seamless HDMI Matrix:</u></p> <ul style="list-style-type: none"> • Adopting programmable logic display circuit, input and output signals can be switched interactively at will. • Support 4-way high-definition signal source input, 4-way high-definition signal source output, using HDMI female interface. • Equipped with 4 independent audio outputs, using 3.5 analog audio output. • Input and output support HDMI1.4, the highest resolution is 	01

	<p>3840×2160@30Hz.</p> <ul style="list-style-type: none"> Equipped with 2.0" LCD display, supporting real-time display of information status. 	
12	<p><u>4k HD Video Capture card:</u></p> <ul style="list-style-type: none"> Input: 1 HDMI signal input, 1 3.5 audio input. Output: USB3.0 output, HDMI loop output Input resolution: resolution below 3840*2160 Video frame rate: 1920*1080-60 fps. Power supply: 5V/1A high efficiency Power consumption: 3W <p>-</p>	01
<u>Public Address System</u>		
13	<p><u>Pre-Power Amplifier 80 watt:</u></p> <ul style="list-style-type: none"> Rated power: 80W. Output mode: 70V, 100V, 4-16Ω. Frequency response: 50-16KHz. 70V, 100V constant voltage output, 4-16Ω constant resistance output. Protection: overheating, overload & short circuit. 	01
14	<p><u>Wall Speaker:</u></p> <ul style="list-style-type: none"> Rated/maximum power: 10W Input voltage: 70~100V Sensitivity: 92dB Frequency response: 110~15000Hz 	10

15	Installation labour charges testing and commissioning of entire system.	01 site
16	1 year OEM warranty.	
17	Manufacturer Authorization letter (MAL).	
18	All equipment must be quoted with turnkey solution.	

TERMS AND CONDITIONS

- Bidder should mention its name, business address, telephone, Name of contact person, GST and NTN numbers authorization retailer/distributor certificate and/or any relevant information.
- E-bid should accompany bid security equal to 5% of the the bid value (refundable) in the form of Pay order or demand draft etc. in favour of the National Tariff Commission, Islamabad.
- Bidding process will be conducted in accordance with Single-Stage, One-Envelop procedure read with S.R.O 296(I)/2023 dated 27-02-2023 titled "E-Pak Procurement Regulation 2023".
- The bidder shall be original manufacturers or an authorized Tier-1 or equivalent partner of the original equipment manufacturer (OEM) and must submit valid authorization documents as evidence with the bid.
- The bidder shall have to furnish certificate of active IT and ST payer.
- "The bidder must demonstrate a minimum of three years of experience in the supply of IT equipment and related services."
- Earnest money will be refunded to unsuccessful bidders after processing of bids. However, the earnest money of the successful bidder will be retained till the expiry of SLA or warranties.
- The successful vendor(s) will be responsible for repair and maintenance of hardware during warranty period.
- Quotations with GST included will be accepted.

- The successful bidder(s) shall be required to supply the specified equipment within ten (10) days of the issuance of the supply order. Failure to comply may result in blacklisting in accordance with PPRA rules.
- Deduction of all mandatory government taxes/levies will be made.
- Submission of false statements/documents as well as concealing of any information is liable to disqualify the respective firm(s) for the bid.
- Bidder may submit any information relevant to its sales and support services.
- No cutting/overwriting in the bid shall be accepted.
- Bidder should provide a bank guarantee of the total bid.
- The successful firm shall not re-submit revised rates and shall be responsible for supply of the hardware and software items as well as license(s) as per approved price(s) failing which, the Security Deposit will be forfeited.
- The Commission has the right to cancel the tender at any time
- The Commission has the right to reject the bid or quotations at any time prior to acceptance of a bid or quotations, pursuing Rule 33 (1) of Public Procurement Rules, 2004.
- All bids should reach through EPAD from the undersigned at the given address by 23rd May-2025 10:30 a.m. which will be opened on the same date at 3rd floor, Statelife Building No. 5, Blue Area, Islamabad at 04:00 p.m. in the presence of bidders or their authorized representatives.
- Bid should be valid for at least 30 days.
- Bid security of successful bidder shall be discharged after satisfactory completion of warranty period of supplied equipment.
- The successful bidder will be required to sign a Service Level Agreement between the bidder and National Tariff Commission and the Payment will be made as per the agreement after providing bank or AAA insurance guarantee of the equivalent amount provided in the Contract / Purchase order.
- Payment will be made in Pak Rupees.

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