



## RAJIV GANDHI INSTITUTE OF PETROLEUM TECHNOLOGY

[An Institute of National Importance established under an Act of Parliament]

Mubarakpur, Mukhetia, Bahadurpur Post: Harbanshganj, Jais, Amethi Pin Code- 229 304

Website: [www.rgpt.ac.in](http://www.rgpt.ac.in)

### E-Procurement of Audio- Visual System for Auditorium

Type of Tender	E-TENDER (OPEN)
E-Tender No.	<b>RGIPT/JAIS/E-OPN/IT/2019-20/2</b>
Item Description	Procurement of Audio- Visual System for Auditorium
Tender Type	Two-Part Bid System: Tender should be submitted on the schedule to tender. (i) Techno-Commercial Bid and (ii) Financial Bid  The Financial bid will be opened only of those firms, who will be found technically qualified after evaluation of their technical bids.
Earnest Money Deposit (EMD)	Rs.287450/- (Rupees Two Lakh Eighty Seven thousand Four hundred Fifty only) – Through online mode only.
Mode of Submission	Online Mode
E-Tender Date	06.01.2020
Pre Bid Meeting	13 <sup>th</sup> January 2020 at 11am
Last date of submission of E-Tender	20 <sup>th</sup> January 2020 at 3pm
Date & Time of Opening of Techno- Commercial bid	20 <sup>th</sup> January 2020 at 4pm
Date of Technical Presentation	23 <sup>rd</sup> January 2020 (Participating bidders should make technical presentation at 11am in the Conference Room, 2nd Floor, Administrative Building, RGIPT, Jais
Date & Time of Opening of Financial Bid	Will be announced later
Place of Opening of E-Tender	Conference Room, 2nd Floor, Administrative Building, Rajiv Gandhi Institute of Petroleum Technology, Jais, Amethi, UP
E-Tender Processing Fee (ITI Limited)	Rs.7500/- + (Applicable GST @ 18%) through e-payment Gateway available on <a href="https://rgipt.euniwizarde.com">https://rgipt.euniwizarde.com</a>
Bid Address to	The Director Rajiv Gandhi Institute of Petroleum Technology, Mubarakpur, Mukhetia, Bahadurpur POST: Harbanshganj, Jais, Amethi – 229304
Chairman Purchase Committee	Name: Dr. Susham Biswas Department: CCIS Email: <a href="mailto:susham@rgipt.ac.in">susham@rgipt.ac.in</a> Contact Nos.0535 270 4527, 8318994302/9919556965

**Tenders can be downloaded from [www.rgpt.ac.in](http://www.rgpt.ac.in) and <https://rgipt.euniwizarde.com/>**

E Tendering Helpdesk Number: 011-49606060/9205898228/9650970101/8210817180

E Tendering Helpdesk email ID: [ewizardhelpdesk@gmail.com](mailto:ewizardhelpdesk@gmail.com), [ewizardhelpdesk89@gmail.com](mailto:ewizardhelpdesk89@gmail.com)

Online Tenders from reputed System Integrator for procurement of **Audio- Visual System for Auditorium** are invited by the Rajiv Gandhi Institute of Petroleum Technology, Amethi- 229 304 in **Two-Part Bid System** as per specifications mentioned below:

**ITEM PARTICULARS****TECHNICAL SPECIFICATIONS**

Enquiry No: - RGIPT/JAIS/E-OPN/IT/2019-20/2 Date: 06.01.2020

**Technical Specification of Audio- Visual System for Auditorium****Audio System**

<b>Approved Make for point (1 to 13):- Bose, JBL, Celto Acoutique</b>		
<b>Main LR Flying Speaker</b>		
<b>s/n</b>	<b>Product Description</b>	<b>Qty(No.)</b>
<b>1</b>	<b>SITC of Compact LR Coaxial Line Array Speaker:-</b> Single 10" Coaxial Line Source Systems with 450W RMS, 16 ohms, Max SPL 138db peak ,Cabinet - CNC made with tongue & grove assembly 15 and 18mm birch plywood (Similar or better).	<b>12 pcs</b>
<b>2</b>	<b>SITC of Compact crossbow flying frame for Top, integrated rigging (Similar or better).</b>	<b>2 pcs</b>
<b>Main Center Flying Speaker</b>		
<b>3</b>	<b>SITC of Compact Center Cluster Coaxial Line Array Speaker:-</b> Single 10" Coaxial Line Source Systems with 450W RMS, 16 ohms, Max SPL 138db peak ,Cabinet - CNC made with tongue & grove assembly 15 and 18mm birch plywood (Similar or better).	<b>3 pcs</b>
<b>4</b>	<b>SITC of Compact crossbow flying frame for Top, integrated rigging (Similar or better).</b>	<b>1 pcs</b>
<b>Control Room Monitor Speaker</b>		
<b>5</b>	<b>SITC of Control Room Monitor Speaker:-</b> 2-way full range, 120W RMS, 12 ohms, LF Custom made 6" driver ferrite magnet, 1.5" in/out Voice coil + 0.75" exit HF, Frequency Response 65Hz-22khz, Average Sensitivity - 90dB/W/m, Max SPL 117db peak ,Nominal Directivity - 85° conical Above 800Hz ), Size - 260 x 190 x 250 mm , Weight: 5.5Kgs net/ 7Kgs Gross (Similar or better).	<b>2 pcs</b>
<b>Subwoofer</b>		
<b>6</b>	<b>SITC of Flying Subwoofer:-</b> 1200W RMS, 8 ohms, LF Custom made Single 18" driver ferrite magnet, 4" in/out EIC Voice coil, Cabinet - CNC made with tongue & grove assembly 18mm birch plywood (Similar or better).	<b>8 pcs</b>
<b>7</b>	<b>SITC of Large flying frame for Subwoofer, integrated rigging (Similar or better).</b>	<b>2 pcs</b>
<b>Stage Monitor</b>		
<b>8</b>	<b>SITC of Stage Monitor:-</b> 2-way low profile coaxial monitor,400W RMS, 8 ohms, LF Custom made 12" driver Neodymium magnet, 3" in/out Voice coil + 1" exit HF, Frequency Response 69Hz-18khz, Average Sensitivity 100dB/W/m, Max SPL 132db peak ,Nominal Directivity - 70° conical, Cabinet - CNC made with tongue & grove assembly 15 and 18mm birch plywood (Similar or better).	<b>4 pcs</b>
<b>LR Surround Speaker</b>		
<b>9</b>	<b>SITC of Surround Speaker:-</b> 2-way full range, 250W RMS, 8 ohms, LF Custom made 10" driver ferrite magnet, 2.5" in/out Voice coil + 1" exit HF, Frequency Response 90Hz-18khz, Average Sensitivity - 97dB/W/m, Max SPL 127db peak ,Nominal Directivity - 75° conical Above 1200Hz ) (Similar or better).	<b>4 pcs</b>

	<b>Rear LR Surround Speaker</b>	
10	<b>SITC of Speaker:-</b> 2-way full range, 150W RMS, 12 ohms, LF Custom made 8" driver ferrite magnet, 2" in/out Voice coil + 1" exit HF, Frequency Response 95Hz-22kHz, Average Sensitivity - 93dB/W/m, Max SPL 121db peak ,Nominal Directivity - 70° x 70° (conical) (Similar or better).	8 pcs
	<b>Amplifier for Main and Subwoofer</b>	
11	<b>SITC of Amplifier:-</b> Professional Dual channel Power amplifier, 4 x 1400W @ 8 ohms, 4 x 2600W @ 4 ohms, Frequency Response - 5 - 20000Hz, Sensitivity - 2./82Vrms Input Impedance - 20K, Crosstalk - >75dB, S/ N ratio - > 110dB, Damping Factor - 800, THD - < 0.05% , Slew Rate - 60V / us, Weight 13kg (Similar or better).	3 pcs
	<b>Amplifier for Stage Monitor Surround Speaker</b>	
12	<b>SITC of Amplifier:-</b> Professional Dual channel Power amplifier, 4 x 800W @ 8 ohms, 4 x 1400W @ 4 ohms, Frequency Response - 10- 25000Hz, Sensitivity - 1.6Vrms Input Impedance - 20K, Crosstalk - >70dB, S/ N ratio - > 110dB, Damping Factor - 800, THD - < 0.05% , Slew Rate - 30V / us, Weight 19kg (Similar or better).	3 pcs
	<b>Control Room Amplifier</b>	
13	<b>SITC of Amplifier:-</b> Professional Dual channel Power amplifier, 2x 400W @ 8 ohms, 2 x 600W @ 4 ohms, Sensitivity - 0.775v Input Impedance - 20K, Crosstalk - >65dB, S/ N ratio - > 110dB, Damping Factor - 500, THD - < 0.1% , Slew Rate - 15V / us, Weight 14kg (Similar or better).	1 pcs
	<b>Approved Make for point (14 &amp; 15) :- Allen &amp; Heath, Yamaha, Digico</b>	
	<b>32 Channel Digital Mixer</b>	
14	<b>SITC of Digital Mixer:-</b> 32 Mono Mic/Line Inputs (TRS + XLR),Recallable AnaLOGIQTM Preamps,3 Stereo Inputs (TRS),24 Mix Outputs (XLR),4 Stereo Groups (switchable to Mix mode),Up to 11 Monitor Mixes (4 mono + 7 stereo),32x32 USB Audio Interface, dSNAKETM Remote Audio Port,33 Motor Faders With Stage Box (Similar or better).	1 pcs
	<b>32 Channel Stage Box</b>	
15	<b>SITC of Stage Box:-</b> 32 Mic Preamps on XLR, 16 XLR Line Outs, dSNAKE Connection with locking Ethercon port Expander Ethercon port for connection to an AR84 or AB168 Dedicated port for ME personal mixing system (Similar or better).	1 pcs
	<b>Approved Make for point (16 &amp; 17):- Bose, BSS, Bi-amp</b>	
	<b>Digital Signal Processor</b>	
16	<b>SITC of DSP:-</b> 12 Analog Inputs (with 48v Phantom Power per Channel), 8 Analog Outputs, Configurable Signal Processing, Rich Palette of Processing and Logic Objects, 48 Channel, Low Latency, Fault Tolerant Digital Audio Bus, Clear Front Panel LED Indication Bi-Directional Locate Functionality,12 Control Inputs and 6 Logic Outputs for GPIO Integration, Soundweb London Interface Kit for Third Party Control System Integration (Documentation),HiQnet Device Configuration, Control and Monitoring from HiQnet London Architect (Similar or better).	1 pcs
	<b>Wall Plate</b>	
17	<b>SITC of Wall Plate:-</b> Programmable Controller, Control In - Ethernet, Display - Touch Screen, Controls - two buttons, rotary encoder, touch-screen (Similar or better).	1 pcs
	<b>Approved Make for point (18):- Yamaha, Marantz, Pioneer</b>	

	<b>Surround Preamp</b>	
18	<b>SITC of AVR Preamp:-</b> 11.2-channel preamplifier with balanced XLR outputs (including subwoofer outputs), Dolby Atmos and DTS:X (Up to 7.1.4-ch), Built-in Wi-Fi, Bluetooth, Airplay, Spotify Connect, 4K Ultra HD video upscaling with HDCP 2.2 support MusicCast wireless multiroom audio system (Similar or better).	1 pcs
	<b>Approved Make for point (19,20,21,22,23):- Sennheiser / Shure / Audio Technica</b>	
	<b>Microphone</b>	
19	<b>SITC of Microphone:-</b> Cordless Handheld Microphone with UHF frequency , Frequency response - 40 - 18000 Hz, Sensitivity in free field, no load (1kHz) 2,0mV/Pa = -54dB (0 dB = 1V/Pa) = -74 dB (0 dB = 1V/ubar) (Similar or better).	4 pcs
20	<b>SITC of Microphone:-</b> Cordless Lapel Microphone with UHF frequency Frequency response - 40 - 18000 Hz, Sensitivity in free field, no load (1kHz) 2,0mV/Pa = -54dB (0 dB = 1V/Pa) = -74 dB (0 dB = 1V/ubar) (Similar or better).	2 pcs
21	<b>SITC of Microphone:-</b> Dynamic Vocal Microphone, polar pattern Supercardioid, Frequency Range 50-15000 Hz, Sensitivity 1.8mV/Pa, Impedance $\leq 300$ ohms (Similar or better).	4 pcs
22	<b>SITC of Microphone:-</b> Dynamic Instrumental Microphone, polar pattern Supercardioid, Frequency Range 40-15000 Hz, Sensitivity 1.9mV/Pa, Impedance $\leq 310$ ohms (Similar or better).	4 pcs
23	<b>SITC of Gooseneck Microphone:-</b> Cartridge Type- Electret Condenser, Frequency Response - 70–16000 Hz, Polar Pattern – Cardioid (Similar or better).	2 pcs
	<b>Approved Make for point (24,25,26 &amp; 27):- Krystal / Belden / Klotz</b>	
	<b>Cables</b>	
24	<b>SITC of Speaker Lines:-</b> 2-Core, High definition Speaker Cable, PVC insulated in PVC jacket laid in existing conduits (Similar or better).	1000 Mtrs.
25	<b>SITC of Speaker Lines:-</b> 2-Core, High definition Speaker Cable, PVC insulated in PVC jacket laid in existing conduits (Similar or better).	500 Mtrs.
26	<b>SITC of Microphone cables:-</b> high grade, professional, low-noise, 2-core high conductivity PVC insulated in PVC jacket, shielded, copper cable (Similar or better).	200 Mtrs.
27	<b>SITC of Cat 6 cables:-</b> Product Type : Conductor 0.57 mm Bare Copper 23AWG x 4pairs , Resistance: 9.38 ohm, PE Insulation, PE Central Cross, Packaged in an Easy-to-pull for Easier Installation Features : LAN Cable , Cat6 1000 Mbps Speed, Unshielded Twisted Pair (UTP) (Similar or better).	200 Mtrs.
	<b>Approved Make for point (28 &amp; 29):- Ahuja, GS, KNM</b>	
	<b>Mic Stand</b>	
28	<b>SITC of Long mic stand</b> (Similar or better).	4 pcs
29	<b>SITC of Small Mic Stand</b> (Similar or better).	4 pcs

## Video System

Approved Make for point (1):- Barco, Christie, Epson		
Projector & Display		
s/n	Product Description	Qty(No.)
1	<b>SITC of 12000 lumens or more WQXGA/4K UHD DLP Laser Projector with zoom lens: ANSI lumens-12,000 ANSI lumens, Contrast-1,200:1 full on/off, Display Type-1 Chip DLP, Illumination- Laser phosphor, inputs-2 x HDMI inputs, 1 x HDBaseT input, 1 x HD15, Native Resolution- WQXGA, 4K, UHD, lifetime-20,000 hours, Lens - To be supplied with Long throw zoom lens, Control- Ethernet &amp; RS-232, Power Supply-100-120 VAC / 200-240VAC @ 60/50 Hz, Enclosure- Rack-mountable metal enclosure, (Similar or better). HDCP Compliant- HDCP Compliant, Compliance- CE, UL, BIS</b>	1
Approved Make for point (2):- Draper / Dalite / Grandview		
2	<b>SITC of 300 Inch Diagonal Motorized Projection Screen with low voltage control: Screen Size-300 inch Diagonal, Motor- Durable motorized, Frame- Durable steel inner frame with black steel case finish and fixed mounting brackets, Fabric- Matte white Screen surface, Native Resolution- WQXGA, 4K, UHD, Control- RF, Low Voltage (LVC) control included, Compliance- CE, BIS (Similar or better).</b>	1
Approved Make for point (3 & 4):- Samsung / NEC / Panasonic		
3	<b>SITC of 43" 4K /UHD Display with min 1x HDMI. Control: RS232/Ethernet with Mounting arrangements: Screen Size (Diagonal) -43 Inches, Aspect ratio-16:9, Resolution-1920x1080, Brightness- 300 nit or better, Panel Technology- S-IPS Panel / D-LED, Input Connectivity-1 nos. HDMI, 1 No. DVI-D, 1 No. Display Port, Mounting- Wall mounting, VESA compatibility, Mount type to be supplied along with panel, Remote Control- IR Remote Control, Viewing Angle(H/V)- 178/178, Inbuilt Speaker- 20 watt or more (Similar or better).</b>	2
4	<b>SITC of 65" 4K /UHD Display with min 1x HDMI Control: RS232/Ethernet with Mounting arrangements: Screen Size (Diagonal) -55 Inches, Aspect ratio-16:9, Resolution-3840x2160, Brightness- 400 nit or better, Panel Technology- S-IPS Panel / D-LED, Input Connectivity-1 nos. HDMI, 1 No. DVI-D, 1 No. Display Port, HDCP- HDCP Compliant, Mounting- Wall mounting, to be supplied along with the panel, Remote control- IR Remote Control, Viewing Angle (H/V)- 178/178, Inbuilt Speaker-20 Watt or more, Other- There should be proper arrangement for installing the display outside premises and protection from outside hindrances, (Similar or better). Compliance- CE, BIS</b>	2
Approved Make for point (5,6,7,8, 9):- Extron, Crestron, Kramer		
Switching & Interfacing		
5.	<b>SITC of laptop Cable access enclosure with 1x AC power outlet. There should be pass through holes for 1x VGA, 1x Audio, 1x HDMI, 1x LAN etc: General- Each box should have minimum 1 nos. universal type power sockets, pass through holes for 1x HDMI, 1 x VGA with audio, 1x LAN, Enclosure Type- Metal, Finish- Black Anodized, Mount Type- Furniture, (Similar or better). Compliance- CE, RoHS</b>	2
6.	<b>SITC of three input multiformat twisted pair switcher transmitter with 1x VGA+A, 1x HDMI &amp; , 1x HDMI/DP. Transmitter should transmit signal upto 100 mtr or more. Should supply with mounting accessories: Video Input-1 x HDMI, 1 x VGA with Audio, 1 x HDMI/DP, Video Output- Twisted pair on RJ 45 port, Resolution Support-4K or more with minimum 10.2 Gbps data rate on single port, Auto-switching between inputs- Yes, Transmission distance-100 Mtr or more over twisted pair cable, Transmission Signals- HDMI, VGA with audio, bidirectional RS-232, IR, and Ethernet, power, Compatibility- The transmitter should be compatible with the specified matrix switcher, Remote power- transmitter should support both local power supply and remote powering by appropriate power injector, Other- Should supply with under table mounting accessories, (Similar or better). Compliance- CE, UL</b>	2
7.	<b>SITC of Twisted pair Receiver for HDMI and control. Should receive HDMI plus control and analog audio up to 100mtr or more over a shielded twisted pair cable: Input- Twisted pair on RJ 45 port, Video Output-1 HDMI, Resolution Support- 4K or more with minimum 10.2 Gbps data rate on single</b>	4

	port, <b>Transmission distance-</b> 100 Mtr or more over twisted pair cable, <b>Control Input-</b> 1 or More RS232, 1 or More IR, <b>HDCP-</b> HDCP 2.2 Compliant, <b>Remote power-</b> Receiver should support both local power supply and remote powering, (Similar or better). <b>Compliance-</b> CE, UL	
8.	<b>SITC of All In One 10x8 Seamless 4K Scaling Presentation Matrix Switcher. Inputs: 4x twisted pair, min 6 or more HDMI. Output: 4 or more twisted pair, 4 or more HDMI: Video Input-</b> Minimum 6 or more HDMI inputs and 4 or more HD BaseT/Twisted Pair Inputs over RJ-45 connector, <b>Video Output-</b> 04 or more HDMI Output, 04 or more HD BaseT/Twisted Pair Output, <b>Signal Extension-</b> 100 Mtrs over shielded twisted pair cable, <b>Resolution Support-</b> 640x480 to 4096x2160, 480i, 480p, 576i, 576p, 720p, 1080i, 1080p, and 2K. 3840x2160 (up to 60 Hz) to 4096x2160 (up to 60 Hz), Data rate of 10.2 Gbps or higher, <b>Scaled resolution-</b> Four or more scaled output, resolution: 640x480 up to 4096x2160 including 4K/UHD. Built in scaling within the matrix switcher or with scaling receiver, <b>Audio input-</b> 4 or more-line inputs, 04 or more microphone inputs with phantom power, <b>Audio Output-</b> 2 or More Line level, <b>Audio de-embedding/embedding-</b> Shall provide built in audio de-embedding and embedding, <b>Mounting-</b> Rack / Furniture, <b>Chassis Type-</b> Fixed/Modular, <b>HDCP Compliant-</b> 1.4 or better, <b>Control port-</b> Ethernet/RS 232, (Similar or better). <b>Safely Compliance-</b> CE, c-UL, UL	1
9.	<b>SITC of Long Distance Four Output Twisted pair Distribution Amplifiers. Inputs: 1x HDMI. Output: 4 or more twisted pair: Input-</b> One or more HDMI Inputs, <b>Video Output-</b> 04 or more Twisted Pair/HDBaseT output, <b>Audio input-</b> Embedded digital audio on HDMI, Balanced/Unbalanced Analog audio input, <b>Data rate-</b> 10.2 Gbps or higher, <b>Video Resolution-</b> 4K/UHD @ 30 Hz with 4:4:4 Sampling and 4K/UHD @ 60 Hz with 4:2:0 chroma subsampling, <b>Transmission Distance-</b> 100 Mtrs or higher for 4K/UHD, 100 Mtrs or higher for 1080P, <b>Communication-</b> RS-232 and IR Signal Extension over twisted Pair, Local RS-232 insert or injection through Telnet, <b>HDCP-</b> 1.4 or higher, (Similar or better). <b>Safely Compliance-</b> CE, c-UL, UL	1
	<b>Approved Make for point (10):- Extron, Crestron, Kramer</b>	
	<b>Wireless Presentation &amp; Bluray</b>	
10.	<b>SITC of Wireless presentation System Output: 1x HDMI, 1x VGA/HDMI. Content sharing through app. Resolution support upto 1080p: Compatible operating systems-</b> Windows, macOS, iOS, Android, <b>Video Input-</b> 1X RJ45, 1X USB, <b>Video Output-</b> 1x HDMI (Inbuilt or with Converter), <b>Output resolution-</b> 1920x1080 or better, Frame rate- 30 fps or better for Full HD or more resolution, <b>Features-</b> Number of simultaneous connections 64 or more. Ipad, iPhone and Android compatibility. Sharing of documents through connected devices, <b>Multiview-</b> Simultaneous viewing of 04 devices on the screen, <b>Connectivity-</b> 1 x LAN (RJ45) with Built-in or External Wireless Access Point, (Similar or better). <b>Compliance-</b> CE, UL	1
	<b>Approved Make for point (11):- Sony, Samsung, Tascam</b>	
11.	<b>SITC of Bluray cum DVD player: General-</b> 4K Ultra HD Blu-ray™ Player, Play almost any disc and file format, <b>Input-</b> USB, <b>Output-</b> HDMI Output (1 rear), Coaxial Audio Output (1 rear) (Similar or better).	1
	<b>Approved Make for point (12):- Dell/Wacom/Viewsonic</b>	
	<b>Annotation &amp; Streaming</b>	
12.	<b>SITC of 22 inches Interactive touch monitor on the podium for annotation. Should have min 1x HDMI and 1x USB: Basic Function-</b> Elegantly Designed	1

	Touch monitors built from a solid aluminum/composite with VESA mounting, <b>Size-</b> 21.5", <b>Resolution-</b> 1920 (h) x 1080 (v), <b>Brightness-</b> 250 cd/m2, <b>Contrast ratio-</b> 1000:1, <b>Touch-</b> Touch interactive with USB interface, <b>Frame-</b> anti-reflective coating on the glass surface, <b>Input signal-</b> DVI-D/HDMI, <b>HDCP-</b> 1.3 compliant or better, <b>Control-</b> USB, (Similar or better). <b>Compliance-</b> CE, UL	
	<b>Approved Make for point (13,14,15):- Extron, Crestron, Kramer</b>	
13	<b>SITC of Twisted pair Receiver for HDMI and control. Should receive HDMI plus control and analog audio up to 100mtr or more over a shielded twisted pair cable: Input-</b> Twisted pair on RJ 45 port, <b>Video Output-</b> 1 HDMI, <b>Resolution Support-</b> 4K or more with minimum 10.2 Gbps data rate on single port, <b>Transmission distance-</b> 100 Mtr or more over twisted pair cable, <b>Control Input-</b> 1 or More RS232, 1 or More IR, <b>HDCP-</b> HDCP 2.2 Compliant, <b>Remote power-</b> Receiver should support both local power supply and remote powering, (Similar or better). <b>Compliance-</b> CE, UL	1
14.	<b>SITC of Hardware based annotation processor. Input: 1x HDMI, 1x HDMI/DP, Output: 1x HDMI, 1x Twisted Pair. 2 or more USB to connect with touch monitor. Control: RS232/Ethernet: General Description-</b> Hardware based Annotation Processor with 1x HDMI, 1x DisplayPort and 1x VGA inputs. 1x DVI/HDMI, 1 Twisted Pair on RJ 45 (In-built or External) outputs, <b>Video Input-</b> 1x HDMI, 1x DisplayPort and 1x VGA inputs, <b>Video Output-</b> 2x DVI/HDMI, 1 Twisted Pair on RJ 45 (In-built or External), <b>Scaled Output resolution-</b> 640x480 - 2048x1080 including 1080p, 1920x1200 @ 60 Hz, <b>Annotation capabilities-</b> Draw, point, or add text in real-time over live video and graphics presentations, <b>Auto-switching-</b> Auto-switching with priority setting, <b>EDID management-</b> Automatic with Option to manually assign user EDID, <b>HDCP-</b> HDCP Compliant, <b>Control-</b> Ethernet and RS-232, (Similar or better). <b>Compliance-</b> CE, UL	1
15.	<b>SITC of USB extender to extend USB signal upto 100 mtr or more: General Description-</b> Extend USB peripherals up to 330 feet (100 meters) over one twisted pair cable, <b>Tx Input-</b> USB host (USB 3.0, USB 2.0, USB 1.1), <b>USB data rate-</b> high speed (480 Mbps), <b>Interconnection-</b> Twisted Pair connectivity from Tx to Rx over RJ-45, <b>Rx Output-</b> 02 or more USB Port with USB hub built in on the output, <b>Output Voltage-</b> 5 Volts, 500 mA on each port, <b>Transmission distance-</b> 100 Mtr or more over twisted pair cable, (Similar or better). <b>Compliance-</b> CE, UL	1
	<b>Approved Make for point (16):- Dell, HP, Apple</b>	
	<b>Software Based Video Conferencing &amp; Recording System</b>	
16.	<b>SITC of PC for software based video conferencing system: Processor-</b> Intel® Core™ i7-9700 (8 Cores/12MB/8T/3.0GHz to 4.7GHz/65W); supports Windows 10/Linux, <b>Operating System-</b> Windows 10 Pro (64bit) English, <b>Memory-</b> 8GB RAM, <b>Hard Disk-</b> 1TB SATA Hard Disk Drive, <b>Output-</b> With 2 HDMI Output and with Graphics Card (Similar or better).	1
	<b>Approved Make for point (17):- Sony, Lumens, Panasonic</b>	
17.	<b>SITC of Full HD PTZ camera. Output: 1x HDMI, Control: 1x RS232/Ethernet, Should be provided with mounting accessories: Sensor-</b> 1/2.8" 2 MP CMOS, <b>Video Output-</b> 1080p @ 60fps, <b>Optical Zoom-</b> 30x, <b>Panning Angle-</b> -170° ~ +170°, <b>Tilting Angle-</b> -30° ~ +90°, <b>Video Output Interface-</b> DVI-D/HDMI, <b>Resolution-</b> 1920*1080 (Full HD), <b>Viewing Angle(H/V) -</b> 178/178, <b>Video Input-</b> 1 nos. HDMI, 1 No. DVI-D, 1 No. Display Port, <b>HDCP-</b> HDCP 2.2, <b>Video S/N Ratio-</b> > 50dB, <b>Aperture-</b> F1.6 ~ F4.7, <b>White Balance,</b> Exposure Control- Auto, Manual, <b>Image Flip-</b> Yes, (Similar or better). <b>Compliance-</b> CE	2
	<b>Approved Make for point (18,19,20):- Extron, Crestron, Kramer</b>	
18.	<b>SITC of Twisted pair Transmitter for HDMI and control. Should transmit HDMI plus control and analog audio up to 100mtr or more over a shielded twisted pair cable: Video Input-</b> 1 HDMI, <b>Video Output-</b> Twisted pair on RJ 45 port, <b>Resolution Support-</b> 4K or more with minimum 10.2 Gbps data rate on	2

	single port, <b>Transmission distance-</b> 100 Mtr or more over twisted pair cable, <b>Control Input-</b> 1 or More RS232, 1 or More IR, <b>HDCP-</b> HDCP 2.2 Compliant, <b>Remote power-</b> Transmitter should support both local power supply and remote powering, (Similar or better). <b>Compliance-</b> CE, UL	
19	<b>SITC of Twisted pair Receiver for HDMI and control. Should receive HDMI plus control and analog audio up to 100mtr or more over a shielded twisted pair cable: Input-</b> Twisted pair on RJ 45 port, <b>Video Output-</b> 1 HDMI, <b>Resolution Support-</b> 4K or more with minimum 10.2 Gbps data rate on single port, <b>Transmission distance-</b> 100 Mtr or more over twisted pair cable, <b>Control Input-</b> 1 or More RS232, 1 or More IR, <b>HDCP-</b> HDCP 2.2 Compliant, <b>Remote power-</b> Receiver should support both local power supply and remote powering, (Similar or better). <b>Compliance-</b> CE, UL	2
20.	<b>SITC of HDMI to Audio USB scaling device to connect and convert High definition PTZ camera with PC on USB. Input: HDMI, 1x Mic/Line audio, Output: 1x HDMI loop through and USB. Control: RS232/Ethernet: Video Input-</b> 1 HDMI, <b>Video Output-</b> 1 HDMI (loop-through), provide one (1) USB Type B connector for digital video and bidirectional 4x2 audio signals, support USB 2.0 standards, <b>Audio Input-</b> One mic/line audio, One balanced/unbalanced line level stereo audio, <b>Audio Output-</b> One balanced/unbalanced line level stereo audio, <b>Processing-</b> provide processing and conversion of video from HDMI to USB encoded video for host PC, provide scaled USB video output from 320x180 to 1080p/15, determined by the soft codec, <b>EDID &amp; HDCP-</b> Automatic EDID management, HDCP-compliant, <b>Control Input-</b> 1 or More RS232/Ethernet, (Similar or better). <b>Compliance-</b> CE, UL	1
	<b>Approved Make for point (21):- Extron, Mediasite, Media pointe</b>	
21.	<b>SITC of Recording &amp; streaming Media processor. Input: 1x HDMI, 1x HDMI/DP/DVI, Output: 1x HDMI, &amp; RJ45. Storage options: built-in 32 GB or more, External USB Drive. Streaming Protocols: RTSP/RTMP. Control: RS232/Ethernet: Input Signals-</b> 03 or More HDMI Input, 1 or more Analog Video Input on Composite/Component video, Balanced / Un-Balanced Analog Audio Input, <b>Input resolution support-</b> 1080p/60, <b>Output-</b> 1 HDMI for local output, <b>Compression-</b> H.264. Support both Push and Pull streaming Protocols. Simultaneous multicast and unicast streaming, <b>Video input Resolution range -</b> 480i, 480p, 576i, 576p, 720p, 1080i, 1080p, 640x480 to 1920x1200, <b>Video output Scaled resolution -</b> HDMI output: 480p, 720p, 1080p, 512x288, 1024x768, 1280x1024 Stream: 480p, 720p, 1080p, 512x288, 1024x768, 1280x1024, <b>Bit rate-</b> 200 kbps to 10 Mbps with Selectable bit rate control (variable, constrained, or constant), <b>Stream Frame rate-</b> 30 Frames/second or better, <b>Recording Capacity-</b> Minimum 80 GB, <b>Video recording Layout-</b> Two Window Picture In Picture and Picture by Picture, <b>Control-</b> RS232/ Ethernet/IR, (Similar or better). <b>Compliance-</b> CE, UL	1
	<b>Approved Make for point (22, 23):- Extron, Crestron, Kramer</b>	
	<b>Controls</b>	
22.	<b>SITC of 10" table top touch panel for control of AV devices. 1280x800 screen resolution with capacitive touch. Should have 4GB storage &amp; 2GB RAM. Should be POE enabled and supplied with compatible POE adapter: General Description-</b> 10" or bigger color capacitive touch screen with minimum 1280 x 800 resolution Integrated Ethernet port compatible with control	1



	processors. Shall Be Powered from a POE Power supply/POE Network switch with Table top stand Kit, <b>Screen type-</b> Active matrix TFT color display, <b>Brightness-</b> 400 Nits or better, <b>Contrast-</b> 750:1, <b>Control-</b> Ethernet interface, <b>Operating System-</b> Non iOS , Non Android, <b>Sensors and feedback-</b> Built-in ambient light sensor, Built-in speakers, <b>Memory-</b> 2 GB or more RAM, 4 GB or more Flash, <b>Power-</b> To be supplied with appropriate POE injector, <b>Function-</b> The Touch panel will have features to control all AV devices and room functions. The GUI must be designed by the bidder and the AV controller must be programmed as per the system need, (Similar or better). <b>Compliance-</b> CE, UL	
23.	<b>SITC of AV control processor of same make as of Switching &amp; touch panel. 8x Bidirectional RS232 (External module acceptable), 8x IR, 8x Relay, 4x Digital IO. Ethernet port for communication: General Description-</b> High-performance AV control processor with specified control ports, advanced security standards and Gigabit Ethernet, compatibility with touch panel using a standard network infrastructure, <b>Serial Port – RS-232/RS-422/RS-485-</b> Minimum six or more bidirectional RS-232 ports, two or more bidirectional RS-232/RS-422/RS-485 serial ports, <b>IR / Serial Control Port-</b> Eight IR/Serial ports, <b>Ethernet Port-</b> 10/100/1000Base-T Ethernet monitoring and control minimum up to 30 or more devices, <b>Proprietary serial BUS-</b> One or more to connect accessories for control system expansion, <b>Low Voltage relay Port-</b> Eight or more low voltage relay ports, <b>Support-</b> Compatible with touch panel, <b>Memory-</b> 4GB or more Flash and 512 MB or more SDRAM, <b>Protocols-</b> DHCP, DNS, HTTP, HTTPS, ICMP, IEEE 802.1X, NTP, SFTP, SMTP, SNMP, SSH, TCP/IP, UDP/IP, (Similar or better). <b>Compliance-</b> CE, UL	1
	<b>Approved Make for point (24):- Netgear, D-Link, Cisco</b>	
24.	<b>SITC of 16 Port network switch with one wireless access point: PLUG AND PLAY-</b> Simple set up with no software or configuration needed, <b>POWER-OVER-ETHERNET-</b> 16 Gigabit PoE+ ports (802.3af and 802.3at) providing up to 30w per port with 183w total PoE power budget or better, <b>FLEXIBLE MOUNTING-</b> Rack ,Desktop or Wall-Mount to be used in any environment, <b>FLEXIBLE POWER-</b> Interchangeable External Power Supply (90W, 130W, 200W) that allows to increase or decrease your PoE Budget, <b>SMALL AND SILENT-</b> Small, sturdy metal case and fan less quiet operation, <b>Other-</b> Supplied with reputed WAP (Similar or better).	1
	<b>Podium &amp; Rack</b>	
	<b>Approved Make for point (25):- Custom</b>	
25.	<b>SITC of Wooden Podium: Feature-</b> The Podium should have provision for AV Connectivity, Power, 1 No. Goose neck Microphone, <b>Design-</b> Elegantly designed Podium with Teak plywood with natural polish finish Wooden Podium, <b>Height-</b> 38"-46", <b>Width-</b> Minimum 24" Inch, <b>Depth-</b> Minimum 24" Inch, <b>Microphone-</b> 1 Nos. 18" Goose Neck Microphone with LED ring (optional), <b>Cable Connectivity-</b> Space for non-retractor type cable cubby on top surface of the podium to be provided along with patch cables of standard length, <b>Monitor-</b> Should accommodate minimum 21.5" touch monitor on a VESA mounting, <b>Tray-</b> Foldable Tray for Visualizer, <b>Power Supply-</b> Minimum Two Nos. Universal power outlet on Top Surface of Podium (Similar or better).	2
	<b>Approved Make for point (26):- Valrack, Rettal, President</b>	
26.	<b>SITC of AV Rack as per the specification: Features-</b> AV Rack should be supplied with castors, shelves PDU, cooling Fan and all accessories with proper grounding system, <b>Size-</b> 30 U, 19", <b>Dimension-</b> 600mm x 600mm, <b>PDU-</b> Horizontal/Vertical. Adequate number of power sockets to provide power for Rack mountable equipment, <b>Doors-</b> Removable and lockable front and Rear door. Removable Side doors, <b>Castors-</b> Heavy Duty Castors with stabilizing brackets, <b>Fan-</b> 2 Nos. Roof Panel mounted cooling fan (Similar or better).	1

	<b>Approved Make for point (27,28,29,20,31):- Extron, Crestron, Kramer</b>	
	<b>Cable &amp; Connectors</b>	
27.	<b>SITC of 6 feet Ultra Flexible High Speed HDMI Cables. Should be 4K certified: Feature-</b> Premium Speed HDMI Cable with 18.0 Gbps data rate. Resolutions Up to 4K @ 60 Hz (4096x2160), UHD @ 60 Hz (3840x2160) 8 bit color depth, <b>Signal Type-</b> HDMI 2.0, <b>Video Data rate-</b> 18 Gbps or better, <b>Connector Type-</b> Gold plated, (Similar or better). <b>Compliances-</b> UL	12
28.	SITC of 6 feet <b>male to Male 15 pin HD with audio cable: Feature-</b> Flexible VGA with Audio cable for high performance transmission of VGA video and analog audio signals, <b>Signal Type-</b> 15 Pin HD Video with Stereo audio, <b>Isolation-</b> ESD electrostatic discharge protection with EMI electromagnetic interference isolation (Similar or better).	2
29.	<b>SITC of 24 AWG 400 MHz bandwidth Shielded Twisted Pair Cable for twisted pair transmitters &amp; receivers: Bandwidth-</b> 450 MHz or better, <b>Conductor Type-</b> Solid copper conductor of 24 AWG or better, <b>Cable Construction-</b> SF – UTP, <b>pair-to-pair skew-</b> 10-30 ns per 100 meters (Similar or better).	2
30.	<b>SITC of Shielded RJ-45 connector for Shielded Twisted Pair Cable: General-</b> Shielded RJ-45 connectors for Shielded Twisted Pair Cable, <b>Type-</b> Metal strain relief and ground bonding, Shielding for EMI/RFI environments, <b>Conductor-</b> Shall Provide Conductor alignment guide for reduce crosstalk and signal interference, <b>Contacts-</b> Gold Plated (Similar or better).	2
31.	<b>SITC of Other cables &amp; Connectors as required for complete integration (Lot): Make-</b> Reputed, Require Cables & connectors to complete the system integration (Similar or better).	1

**Essential:** Instruction Manual (Hard Copy) and complete installation & training at RGIPT site. All the technical compliance must be supported by manufactures printed manual.

**Warranty:** Comprehensive warranty of minimum 3 years by the System Integrator.

Place:

Date:

Signature and seal of the Manufacturer/ Bidder

Technical Specifications Compliance Statement of “Audio- Visual System for Auditorium” should be submitted as per format given in Annexure – I (On the Company’s Letter Head)

## Terms & Conditions

### 1. Tender filling up and submission

- a. Tender offer must refer to the letter/Notice inviting the Tender.
- b. The bid should be uploaded online mentioning SITC(Supply, Installation, Testing & Commissioning)of “**Audio- Visual System for Auditorium**” to Rajiv Gandhi Institute of Petroleum Technology, Jais, Amethi.
- c. Bids must be submitted online against above mentioned tender.
- d. The prices can be quoted in Indian Rupees, both in figures and in words and the same will be considered for price comparison. Where there is a difference between the two, the rates given in words will be taken as authentic. Should there be any discrepancy between unit rate and amount; the unit rate will be considered as the correct one.
- e. The rates quoted should include freight charges up to Jais, Amethi clearly mentioning the percentage/rate of GST and the rates quoted should be valid for at- least 60 days from the date of opening of the Financial Bid. The rates must be quoted both in figures and words and overwriting should be avoided. However all cuttings/corrections must be duly authenticated.
- f. The bid submitted must not contain any ambiguity. Any such ambiguity in the quote submitted shall make it liable for rejection.
- g. The tender document is not transferable.
- h. No amendment to the bid in any form by the bidder will be permitted after opening of the tender. No conditional offers shall be accepted.
- i. Submission of bid will bind the bidder to the acceptance of all conditions specified in the tender document.
- j. Canvassing in any form is for bidden and will be a criterion for disqualification.

### 2. **EMD (Earnest Money Deposit):** The EMD should pay only in online mode on <https://rgipt.euniwizarde.com> of Rs.**287450/-** (Rupees Two Lakh Eighty Seven thousand Four hundred Fifty only) – Through online mode only). No interest shall be paid on earnest money deposited.

- a) The EMD of the unsuccessful bidders will be returned after final award of the Job to a successful bidder/ acceptance of the tender and within reasonable time not exceeding six months from the date of opening of Tender. The EMD will carry no interest.
- b) The EMD will be forfeited if the bidder withdraws his offer before finalization of the tender.
- c) The EMD of successful bidder will be returned after the submission of Performance Security.
- d) The firms registered with MSME & NSIC, if any, are exempted from payment of EMD provided such registration includes the item they are offering which are manufactured by them and not for selling products manufactured by other companies. (Latest Copy must be submitted online for claiming exemption).

### 3. **Performance Security:** The successful bidder will provide “Performance Security” for an amount of 10% of the contract value in the form of valid Account payee Demand Draft/ FDR from a scheduled bank favoring “Rajiv Gandhi Institute of Petroleum Technology” payable at RGIPT, Jais, Amethi Campus Branch. Performance security should remain valid at least for a period of 180 days beyond the date of completion of all contractual obligations of supplier (Total Period of FDR/Demand Draft – Warranty Period plus 180 days). Thereafter the security will be returned, provided there is no defect in the equipment supplied.

### 4. **Evaluation Criteria:** The order will be awarded to the vendor, who fulfills all the technical specifications & conditions mentioned in the tender document for Technical Bid and whose rate is L1 in grand total in Financial Bid. Evaluation of Lowest bid will be calculated on the total price of all items tendered for basic equipment along with accessories, packing & forwarding, Installation & Commissioning, GST and other charges etc. as mentioned in the tender (Bidder must submit the technical bid & financial bid separately). The Financial bid will be opened only of those firms, who will be found technically qualified after evaluation of their technical bids.

Note: A marking system will be used to evaluate the bids. The bid that receives more than the threshold mark fixed by the Purchase Committee will be considered for opening of Price Bid.

All the vendors who have submitted their bid will need to present their proposed audio visual system on a given date. Where bidders will need to indicate proposed system’s specification, quality criteria, plan for SITC, experience and detailed ability to meet the requirements of RGIPT.

5. **Bid Validity:** The bid must be valid for 180 days from the date of opening of Technical Bid.
6. **Payment terms:**
  - a) In Indian Currency Payment terms - 80% payment will be released against successful supply of equipment at site i.e. Rajiv Gandhi Institute of Petroleum Technology, Jais, Amethi & balance 20% after installation & commissioning of the equipment and subject to submission of original Bill/ Invoice as certified by the Indenter.
7. **Part Shipment not allowed:** Part Shipment will NOT be allowed.
8. **Bank Charges:** All the bank charges within India will be borne by the Institute and outside India will be borne by the Supplier.
9. **Site Preparation:** The supplier shall inform to the Institute about the site preparation, if any, needed for the installation of equipment, immediately after the receipt of the purchase order. The supplier must provide complete details regarding space and all the other infrastructural requirements needed for the equipment, which the Institute should arrange before the arrival of the equipment to ensure its timely installation and smooth operation thereafter. The supplier shall visit the Institute and see the site where the equipment is to be installed and may offer his advice and render assistance to the Institute in the preparation of the site and other pre-installation requirements.
10. **Resolution of Disputes:** The dispute resolution mechanism to be applied pursuant shall be as follows:
  - i. In case of Dispute or difference arising between the Purchaser and a domestic supplier relating to any matter arising out of or connected with this agreement, such disputes or difference shall be settled in accordance with the Indian Arbitration & Conciliation Act, 1996, the rules there under and any statutory modifications or re-enactments thereof shall apply to the arbitration proceedings. The dispute shall be referred to the Director, Rajiv Gandhi Institute of Petroleum Technology, Jais, Amethi and if he is unable or unwilling to act, to the sole arbitration of some other person appointed by him willing to act as such Arbitrator. The award of the arbitrator so appointed shall be final, conclusive and binding on all parties to this order.
  - ii. In the case of a dispute between the purchaser and a Foreign Supplier, the dispute shall be settled by arbitration in accordance with provision of sub-clause (a) above. But if this is not acceptable to the supplier then the dispute shall be settled in accordance with provisions of UNCITRAL (United Nations Commission on International Trade Law) Arbitration Rules  
The venue of the arbitration shall be the place from where the order is issued.
11. Live working product Demo of same or similar item is necessary (at the cost of bidder) for all the bidders, if asked for, within the ONE week of opening the technical bid.
12. **Printed Conditions of the Company – Not Acceptable to the Institute:** RGIPT does not accept the printed conditions of any Tenderer. It will be ignored without any reference; hence tenderers should withdraw such printed conditions if they have any. RGIPT shall accept only unconditional tender.
13. **Technical Deviations – Sole discretion of RGIPT for consideration:** If technical deviations furnished by the Tenderer are not agreeable to RGIPT, the offers may be ignored. However it will be solely at discretion of RGIPT to consider the technical deviations OR not for considering the Tenderer. No correspondences of the Tenderer will be entertained in this matter.
14. **Price Validity:** The price quoted by the bidder shall remain valid till the supply is completed. During the tenure of the supply period, no price increase will be considered, except for change in statutory levies imposed by Centre Govt. / state Govt. or Local authorities.
15. **Warranty:** As specified in the Technical Specification.
16. **Delivery:** The timely delivery of “**Audio- Visual System for Auditorium**” is the essence of contract. The supply should be completed with the specified delivery. Delivery shall be completed within maximum 4 weeks from the placement of purchase order.
17. **Bid Acceptance and Rejection:**

- a. RGIPT reserves the right to reject the bid without assigning any reason what so ever.
  - b. RGIPT does not bind itself to accept the lowest or any quotation and reserves the right to reject any or all without assigning any reason.
18. **Late Receipt of Bids:** No bids will accepted or considered after the due date and time.
19. **Liquidity Damage Clause:** In case of any damages and delay in supply of material, liquidated damages at the rate of 0.5% of the order value per day of delay or part thereof, subject to a maximum of 5% of the order value shall be recovered from the vendor's bill/invoice.
20. **Withdrawal of Tender:** The Institute reserves the right to withdraw the tender at any stage of tendering process with the approval of the Competent Authority.
21. **Replacements of Goods Broken, Damaged or Short:** If whole or part of the goods/ equipment supplied against the order is found defective/ non-functional or without specification the supplier will have to replace the defective goods/equipment to make equipment operational within a reasonable time (not exceeding two months from the date of intimation to the supplier or the Indian Agent), failure to which the supplier will have to refund the full cost of the equipment including freight, Insurance etc.
22. A quotation submitted with false information will not only be rejected but the vendor may also be debarred for participation in future tendering processes.
23. Authorized representative may choose to be present at the time of opening of quotation at their own cost.
24. **Only one PRICE BID should be submitted for the above equipment. A bidder who submits more than one PRICE BID, shall be disqualified and considered non-responsive.**

Chairman Purchase Committee

**Terms & Conditions must be fulfilled for Eligibility in the tender**

Sl. No.	Description
	<b>The EMD of Rs.287450/- (Rupees Two Lakh Eighty Seven thousand Four hundred Fifty only)</b> is to be paid Only through online mode on <a href="https://rgipt.euniwizarde.com">https://rgipt.euniwizarde.com</a> . If the EMD is not paid, then the bid will be automatically rejected.
1	Technical Specification Compliance Statement <b>-(On the letter head of the Company) – Annexure -1</b>
2	Manufacturer's Authorization Form – In defined format OR Self Declaration of Manufacturing Unit – <b>Annexure - 2</b>
3	Price Reasonability Certificate – In defined format <b>(On the letter head of the Company)- Annexure - 3</b>
4	Declaration Certificate (Acceptance of terms & conditions of the tender) – In defined format (On the letter head of the Company) - <b>Annexure – 4</b> and Declaration Sheet as per <b>Annexure - 4A</b> .
5	As on date of submission of the proposal, the Bidder is neither blacklisted by Central Government/ State Government or Instrumentalities thereof nor is any criminal case against the Bidder/ its Partners/ Directors/ Agents pending before any court of law. Non-Blacklisting Certificate on Rs. 100.00 non-Judicial Stamp Paper – In defined format - <b>Annexure - 5</b>
6	Copy of Firm Registration
7	Copy of PAN Card & GST No.
8	Bidder should have 3 years' experience in the SITC service (related Equipment) to reputed Central Government Institutes/Engineering Colleges/ Universities/ Oil Companies/PSUs/Research Institutes/ IITs/ NITs/ IISERs (Self Declaration) – <b>List of Clients &amp; Completion certificate from last 3 years(16-17, 17-18, 18-19) of “Audio- Visual System for Auditorium”</b> to be Submitted.
9	The Bidder or their OEM should possess any valid standard certification acceptable to RGIPT
10	Bidder should enclose the copies of last 3 years Audited Annual Accounts (Balance Sheet and Profit & Loss A/c) duly authenticated by Chartered Accountant
11	Last three years CA certified turnover certificate <b>(Average Turnover of last three years (16-17, 17-18, 18-19) should be Rs.1.16 Crore (Rupees One Crores Sixteen lakhs only)</b>
12	Last 3 year Income Tax Return (ITR) <b>(17-18, 18-19,19-20)</b>
13	In case of exemption of EMD, the scanned copy of the document in support of exemption will have to be uploaded by the bidder during bid submission
14	<b>MOST IMPORTANT:</b> Document related to prior installation and service – At least 3 Academic and R&D National Organizations, Central and State Government Departments/Institutions/ PSU in the last 3 years. <b>Annexure - 6</b>



## **RAJIV GANDHI INSTITUTE OF PETROLEUM TECHNOLOGY**

### **CHECKLIST FOR SUBMISSION OF DOCUMENTS FOR TECHNO-COMMERICAL BID**

#### **Part -1**

**MOST IMPORTANT: PLEASE DON'T ADD OR UPLOAD ANY ANNEXURE OF PRICE BID IN TECHNO-COMMERICAL BID DOCUMENTS, OTHERWISE YOUR BID WILL BE REJECTED.**

**Checklist for submission of documents for Techno-Commercial Bid**

Sl. No.	Description	Uploaded/ Not Uploaded
	<b>The EMD of Rs.287450/- (Rupees Two Lakh Eighty Seven thousand Four hundred Fifty only)</b> is to be paid only through online mode on <a href="https://rgipt.euniwizarde.com">https://rgipt.euniwizarde.com</a> . If the EMD is not paid, then the bid will be automatically rejected.	
1	Technical Specification Compliance Statement <b>-(On the letter head of the Company) – Annexure -1</b>	
2	Manufacturer's Authorization Form – In defined format OR Self Declaration of Manufacturing Unit – <b>Annexure - 2</b>	
3	Price Reasonability Certificate – In defined format <b>(On the letter head of the Company)- Annexure - 3</b>	
4	Declaration Certificate (Acceptance of terms & conditions of the tender) – In defined format (On the letter head of the Company) - <b>Annexure – 4</b> and Declaration Sheet as per <b>Annexure - 4A</b> .	
5	As on date of submission of the proposal, the Bidder is neither blacklisted by Central Government/ State Government or Instrumentalities thereof nor is any criminal case against the Bidder/ its Partners/ Directors/ Agents pending before any court of law. Non-Blacklisting Certificate on Rs.100.00 non-Judicial Stamp Paper – In defined format - <b>Annexure - 5</b>	
6	Copy of Firm Registration	
7	Copy of PAN Card & GST No.	
8	Bidder should have 3 years' experience in the SITC service (related Equipment) to reputed Central Government Institutes/Engineering Colleges/ Universities/ Oil Companies/PSUs/Research Institutes/ IITs/ NITs/IISERs (Self Declaration) – <b>List of Clients &amp; Completion certificate from last 3 years(16-17, 17-18, 18-19) of "Audio- Visual System for Auditorium"</b> to be submitted.	
9	The Bidder or their OEM should possess any valid standard certification acceptable to RGIPT	
10	Bidder should enclose the copies of last 3 years Audited Annual Accounts (Balance Sheet and Profit & Loss A/c) duly authenticated by Chartered Accountant	
11	Last three years CA certified turnover certificate ( <b>Average Turnover of last three years should be Rs.1.16 lakhs (Rupees One Crores Sixteen lakhs only) (16-17, 17-18, 18-19)</b> )	
12	Last 3 year Income Tax Return (ITR) <b>(17-18, 18-19,19-20)</b>	
13	In case of exemption of EMD, the scanned copy of the document in support of exemption will have to be uploaded by the bidder during bid submission	
14	<b>MOST IMPORTANT:</b> Document related to prior installation and service – At Least 3 Academic and R&D National Organizations, Central and State Government Departments/Institutions/PSU in the last 3 years. <b>Annexure - 6</b>	

Place:

Date:

Signature and seal of the Manufacturer/ Bidder



**Technical Compliance Statement for Audio-Visual System for Auditorium**

(ON THE LETTER HEAD OF THE COMPANY)

Sl. No.	Parts	Specification	Comply (or) Not Comply
1.			

**Please mention the brand and model no. & name of the equipment:**

Place:

Date:

Signature and seal of the Manufacturer/Bidder

**MANUFACTURERS' AUTHORIZATION FORM (MAF)  
(ON THE LETTER HEAD OF THE COMPANY)**

**[NOTE:** The Bidder shall require the Manufacturer to fill in this Form in accordance with the instructions indicated. This letter of authorization should be **on the letterhead of the Manufacturer** and should be signed by a person with the proper authority to sign documents that are binding on the Manufacturer. It should be included by the Bidder in its bid]

No. Dated

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

Tender No.: **[insert number from Invitation for Bids]**

To, Director  
Rajiv Gandhi Institute of Petroleum Technology  
Mubarakpur, Mukhtia, Bahadurpur  
POST: Harbanshganj, Jais, Amethi - 229304

WHEREAS

We **[insert complete name of Manufacturer]**, who are official manufacturers of **[insert type of goods manufactured]**, having factories at **[insert full address of Manufacturers factories]**, do hereby authorize **[insert complete name of Bidder]** to submit a bid the purpose of which is to provide the following Goods, manufactured by us **[insert name and or brief description of the Goods]**, and to subsequently negotiate and sign the Contract.

We hereby extend our full guarantee and warranty in accordance with the General Conditions of Contract, with respect to the Goods offered by the above firm.

**Signed:** **[insert signature(s) of authorized representative(s) of the Manufacturer]**

**Name:** **[insert complete name(s) of authorized representative(s) of the Manufacturer]**

**Title/Designation:** **[insert title]**

**Duly authorized to sign this Authorization on behalf of:** **[insert complete name of Bidder]**

Dated on \_\_\_\_\_ day of, \_\_\_\_\_, \_\_\_\_\_ **[insert date of signing]**

Yours faithfully,

(Name of manufacturers)

**OR**

**SELF DECLARATION OF MANUFACTURING UNIT**

**PRICE REASONABILITY CERTIFICATE**  
(ON THE LETTER HEAD OF THE COMPANY)

It is certified that the rates quoted against Tender No. ....  
dated .....for the items vide our bid No. ....  
dated..... are exclusively for supply to ACADEMIC and RESEARCH Institutions and are  
not more than as charged to other Govt./PSU"s for similar supplies made in recent past. If they have been  
approved by the Director, RGIPT and if at any stage it has been found that the quoted rates are higher  
than the rates applicable to supply to Government then in such condition RGIPT, Amethi, will have the  
right to cancel the approved rates and to take legal action against the tenderer.

Yours faithfully,

(Name of manufacturers)

(Signature with date)

(Name and designation)

Duly authorized to sign tender for and on behalf of

**DECLARATION (ACCEPTANCE OF TERMS & CONDITIONS)**  
(ON THE LETTER HEAD OF THE COMPANY)

1. I, ..... Son/Daughter of Shri .....  
Proprietor/ Partner/CEO/MD/Director/Authorized Signatory of M/s  
..... am competent to sign this tender document.
  
2. I have carefully read and understood all the terms and conditions of the tender and hereby convey my acceptance of the same.
  
3. The information/ documents furnished along with the above application are true and authentic to the best of my knowledge and belief.
  
4. I/ we/ am are well aware of the fact that furnishing of any false information/ fabricated document would lead to rejection of my tender at any stage besides liabilities towards prosecution under appropriate law.
  
5. Each page of the tender document and papers submitted by my Company is authenticated, sealed and signed, and I take full responsibility for the entire documents submitted.

Date:-----

-----

Place:-----  
Person

Signature of the Authorized

Full Name:-----

Company Seal:-----

## DECLARATION SHEET

We, \_\_\_\_\_ hereby certify that all the information and data furnished by our organization with regard to this tender specification are true and complete to the best of our knowledge. I have gone through the specification, conditions and stipulations in details and agree to comply with the requirements and intent of specification.

This is certified that our organization has been authorized (Copy attached) by the OEM to participate in Tender. We further certified that our organization meets all the conditions of eligibility criteria laid down in this tender document. Moreover, OEM has agreed to support on regular basis with technology / product updates and extend support for the warranty.

The prices quoted in the financial bids are subsidized due to academic discount given to RGIPT, Jais, Amethi.

We, further specifically certify that our organization has not been Black-Listed/ De Listed or put to any Holiday by any Institutional Agency/ Govt. Department/ Public Sector Undertaking in the last three years.	
1. Phone	
2. Fax	
3. E-mail	
4. Contact Person Name	
5. Mobile Number	
6. TIN Number	
7. PAN Number	
8. (In case of on-line payment of Tender Fees) UTR No. (For Tender Fee)	
9. (In case of on-line payment of EMD) UTR No. (For EMD)	
10. Kindly provide bank details of the bidder in the following format: a) Name of the Bank	
b) Account Number	
c) Kindly attach scanned copy of one Cheque book page to enable us to return the EMD to unsuccessful bidder	

(Signature of the Tenderer)

Name:

Seal of the Company

**NON-BLACKLISTING DECLARATION**

It has been certified that all information provided in tender form is true and correct to the best of my knowledge and belief. No forged / tampered document(s) are produced with tender form for gaining unlawful advantage. We understand that RGIPT, Amethi is authorized to make enquiry to establish the facts claimed and obtain confidential reports from clients.

In case it is established that any information provided by us is false / misleading or in the circumstances where it is found that we have made any wrong claims, we are liable for forfeiture of EMD and or any penal action and other damages including withdrawal of all work/purchase orders being executed by us. **Further RGIPT, Amethi is also authorized to blacklist our firm/company/agency and debar us in participating in any tender/bid in future.**

I / We assure the Institute that neither I / We nor any of my / our workers will do any act/s which is improper / illegal during the execution in case the tender is awarded to us.

Neither I/We nor anybody on my/our behalf will indulge in any corrupt activities/practices in my/our dealing with the Institute.

**Our Firm/Company/Agency is not been blacklisted or banned by any Central Government Department/ State Government Department, PSU, University, Autonomous Institute or Any other Govt. Organization.**

Date

Signature of the Tenderer

Place

Stamp

**Note: This certificate should be executed on duly notarized ` 100/- Non Judicial Stamp Paper.**

**List of Govt. Organization/Department/Institutes**

<b>List of Government Organization/Department/Institutes for whom the Bidder has undertaken such work during last three years (must be supported with work orders)</b>		
<b>Name of the Organization</b>	<b>Name of Contact Person</b>	<b>Contact No.</b>

(Signature of the Tenderer)

Name:

Seal of the Company



## **RAJIV GANDHI INSTITUTE OF PETROLEUM TECHNOLOGY**

### **CHECKLIST FOR SUBMISSION OF DOCUMENTS FOR FINANCIAL BID**

**The Company can bid in Indian Currency In the given format**

**The bidder may add rows as per requirement to include the prices of all components/ parts, warranties, installation etc. whichever applicable.**



**FINANCIAL BID – Audio- Visual System for Auditorium**

**A. Financial Bid in Indian Currency:**

**I. Name of the Bidder/Tenderer:**

**Name & Model No of offered goods:**

**Tender No.:**

<b>Sl. No.</b>	<b>Details</b>	<b>Total Amount (In INR)</b>
1	Basic Cost of Audio- Visual System for Auditorium defined in Technical Specifications Statement of the Tender	
2	<b>Add:</b> Installation & Commissioning Charges, if any	
3	<b>Add:</b> GST (Taxes)	
<b>Total Price (Sum of Sl. No 1 to 3) F.O.R RGIPT, Jais, Amethi Price</b>		

**Note: The Institute will provide DSIR & GST Exemption Certificate.**

- I. Total Bid price in Indian Currency (Equipment Cost with accessories): .....
- In words: .....

**Grand Total = .....**

**In words: .....**

**THE BIDDER MAY ADD ROWS AS PER REQUIREMENT TO INCLUDE THE PRICES OF ALL COMPONENTS/ PARTS, WARRANTIES, INSTALLATION ETC. WHICHEVER APPLICABLE.**

- a) Indian Agents Name & Address
- b) The cost of optional items shall be indicated separately
- c) In case the price quoted in Foreign Currency (Other than INR), for the purpose of comparison the Exchange Rate prevailing on the date of opening of Financial Bid will be considered.

Date

Signature of the Tenderer

Place

Stamp

The bidders are required to submit soft copies of their bids electronically on the e-tender Portal, using valid class 3 Digital Signature Certificates. The instructions given below are meant to assist the bidders in registering on the e-tender Portal, prepare their bids in accordance with the requirements and submitting their bids online on the e-tender Portal.

More information useful for submitting online bids on the e-tender Portal may be obtained at:

<https://rgipt.euniwizarde.com>.

## REGISTRATION

1. Bidders are required enroll on the e-Procurement Portal (URL: <https://rgipt.euniwizarde.com>) with clicking on the link "Online bidder Registration" on the e-tender Portal by paying the Registration fee of Rs.2360/- Per vendor/per year.
2. As part of the enrolment process, the bidders will be required to choose a unique username and assign a password for their accounts.
3. Bidders are advised to register their valid email address and mobile numbers as part of the registration process. These would be used for any communication with the bidder.
4. Upon enrolment, the bidders will be required to register their valid Digital Signature Certificate (**Only Class III Certificates with signing + encryption key usage**) issued by any Certifying Authority recognized by CCA India (e.g. Sify / TCS / nCode / eMudhra etc.), with their profile.
5. Only one valid DSC should be registered by a bidder. Please note that the bidders are responsible to ensure that they do not lend their DSC's to others which may lead to misuse.
6. Bidder then logs in to the site through the secured log-in by entering their user ID /password and the password of the DSC / e-Token.
7. **The scanned copies of all original documents should be uploaded on portal <https://rgipt.euniwizarde.com>**

## SEARCHING FOR TENDER DOCUMENTS

1. There are various search options built in the e-tender Portal, to facilitate bidders to search active tenders by several parameters.
2. Once the bidders have selected the tenders they are interested in, you can pay the form fee and processing fee (NOT REFUNDABLE) by net-banking / Debit / Credit card then you may download the required documents / tender schedules, Bid documents etc. Once you pay both fee tenders will be moved to the respective 'requested' Tab. This would enable the e- tender Portal to intimate the bidders through SMS / e-mail in case there is any corrigendum issued to the tender document.

## PREPARATION OF BIDS

1. Bidder should take into account any corrigendum published on the tender document before submitting their bids.
2. Please go through the tender advertisement and the tender document carefully to understand the documents required to be submitted as part of the bid.
3. Bidder, in advance, should get ready the bid documents to be submitted as indicated in the tender document / schedule and generally, they can be in PDF formats. Bid Original documents may be scanned with 100 dpi with Colored option which helps in reducing size of the scanned document.
4. To avoid the time and effort required in uploading the same set of standard documents which are required to be submitted as a part of every bid, a provision of uploading such standard documents (e.g. PAN card copy, annual reports, auditor certificates etc.) has been provided to the bidders. Bidders can use "My Documents" available to them to upload such documents.
5. These documents may be directly submitted from the "My Documents" area while submitting a bid, and need not be uploaded again and again. This will lead to a reduction in the time required for bid submission process.

## SUBMISSION OF BIDS

1. Bidder should log into the website well in advance for the submission of the bid so that it gets uploaded well in time i.e. on or before the bid submission time. Bidder will be responsible for any delay due to other issues.
2. The bidder has to digitally sign and upload the required bid documents one by one as indicated in the tender document as a token of acceptance of the terms and conditions laid down by RGIPT, Jais.
3. Bidder has to select the payment option as “e-payment” to pay the tender fee / EMD as applicable and enter details of the instrument.
4. Bidder should prepare the EMD as per the instructions specified in the tender document.
5. Bidders are requested to note that they should necessarily submit their financial bids in the format provided and no other format is acceptable. If the price bid has been given as a standard BOQ format with the tender document, then the same is to be downloaded and to be filled by all the bidders. Bidders are required to download the BOQ file, open it and complete the white Colored (unprotected) cells with their respective financial quotes and other details (such as name of the bidder). No other cells should be changed. Once the details have been completed, the bidder should save it and submit it online, without changing the filename. If the BOQ file is found to be modified by the bidder, the bid will be rejected.
6. The server time (which is displayed on the bidders’ dashboard) will be considered as the standard time for referencing the deadlines for submission of the bids by the bidders, opening of bids etc. The bidders should follow this time during bid submission.
7. All the documents being submitted by the bidders would be encrypted using PKI encryption techniques to ensure the secrecy of the data. The data entered cannot be viewed by unauthorized persons until the time of bid opening. Data storage encryption of sensitive fields is done. Any bid document that is uploaded to the server is subjected to symmetric encryption using a system generated symmetric key. Further this key is subjected to asymmetric encryption using buyers/bid opener public keys. Overall, the uploaded tender documents become readable only after the tender opening by the authorized bid openers.
8. The uploaded tender documents become readable only after the tender opening by the authorized bid openers.
9. Upon the successful and timely submission of bid click “Complete” (i.e. after Clicking “Submit” in the portal), the portal will give a successful Tender submission acknowledgement & a bid summary will be displayed with the unique id and date & time of submission of the bid with all other relevant details.
10. The tender summary has to be printed and kept as an acknowledgement of the submission of the tender. This acknowledgement may be used as an entry pass for any bid opening meetings.

## ASSISTANCE TO BIDDERS

1. Any queries relating to the tender document and the terms and conditions contained therein should be addressed to the Tender Inviting Authority for a tender or the relevant contact person indicated in the tender.
2. Any queries relating to the process of online bid submission or queries relating to e-tender Portal in general may be directed to the 24x7 Helpdesk Support. **The contact number for the helpdesk is “011-49606060/7398741154/9205898228/9650970101” and E Tendering Helpdesk email ID: ewizardhelpdesk@gmail.com**