



## भारतीय विज्ञान शिक्षा एवं अनुसंधान संस्थान तिरुपति

### INDIAN INSTITUTE OF SCIENCE EDUCATION AND RESEARCH TIRUPATI

(An Autonomous Institute under Ministry of Human Resource Development, Govt. of India)  
Transit Campus : Sree Rama Engineering College Campus, Karakambadi  
Road, Mangalam B.O., Tirupati – 517 507, Andhra Pradesh, India.

CLARIFICATION ON TENDER NUMBER - IISERT/PUR/0080/17 Date: 28.06.2017

#### ITEM DESCRIPTION-

Refer our Press Tender No: IISERT/PUR/0080/17 Date: 28.06.2017 for- Supply, Installation, Integration, Testing and Commissioning of one High Definition Video Conferencing equipment with allied virtual classroom set up on turnkey basis

Pre-Bid meeting was held on July 05<sup>th</sup>, 2017 at 15.30 and minutes of meeting is as under.

At the outset, the Chairman welcomed all the Members and the representative of the Prospective Bidders and briefed in general the scope of the Project and thereafter requested Assistant Registrar (S&P) to brief the vendors on the salient features of the commercial terms and the indenting Officer to read out the clarification sought by the Prospective Bidders and replied thereto as detailed in Annexure -II

The representatives present were satisfied with the replies given and it was informed that the corrections / additions / clarifications given, as discussed during the Pre-Bid Conference would be hosted on the website of IISER Tirupati and all the Prospective Bidders are required to take cognizance of the proceedings of the Pre-Bid Conference before submitting their bids as stipulated in the Bidding Documents.

The other terms & conditions of the notice issued on our IISER website [www.iisertirupati.ac.in](http://www.iisertirupati.ac.in) will remain unchanged. No more correspondence in this regard will be entertained

The meeting ended with vote of thanks to the Chair

Sd/-  
Assistant Registrar (S&P)



भारतीय विज्ञान शिक्षा एवं अनुसंधान संस्थान तिरुपति

INDIAN INSTITUTE OF SCIENCE EDUCATION AND RESEARCH TIRUPATI

(An Autonomous Institute under Ministry of Human Resource Development, Govt. of India)  
Transit Campus : Sree Rama Engineering College Campus, Karakambadi  
Road, Mangalam B.O., Tirupati – 517 507, Andhra Pradesh, India.

ANNEXURE -III

**PRE-BID CONFERENCE FOR Video Conferencing equipment with allied  
virtual classroom  
TECHNICAL QUERIES AND CLARIFICATION**

TENDER NUMBER - IISERT/PUR/0080/17 Date: 28.06.2017

SI No	Query/Clarification Sought	Clarification/ Amendment
1	<b>Chapter 6 Schedule of requirements, specifications and allied technical details</b> <b>Point no 10</b> <b>Netwok Feature</b> H.323 and SIP bandwidth up to 3 Mbps; IPv4 and IPv6 support from day one; Auto Gatekeeper Discovery; IP Precedence; H.323 based Packet Lost Recovery; Packet Loss Based Down speeding; Should sustain at least <i>15% Packet Loss</i> ; Support for NAT and firewall traversal; IP adaptive bandwidth management (including flow control)	Should Sustain at least 5% Packet Loss
2.	<b>Chapter 6 Schedule of requirements, specifications and allied technical details</b> <b>Point no 21</b> The Camera tracking feature: A single camera mounted on the backside wall should be able to capture the entire green board (16ft. x 5 ft.) on the dias with the presenter. If required the camera view can be spited into two frames wherein the camera can capture any one frame at a time depending upon the position of the speaker with predefined zoom else active speaker tracking and framing feature. The camera should switch between the frames	Remains unchanged. Tender Specifications prevail. The integrator can provide better solution.



## भारतीय विज्ञान शिक्षा एवं अनुसंधान संस्थान तिरुपति

### INDIAN INSTITUTE OF SCIENCE EDUCATION AND RESEARCH TIRUPATI

(An Autonomous Institute under Ministry of Human Resource Development, Govt. of India)  
Transit Campus : Sree Rama Engineering College Campus, Karakambadi  
Road, Mangalam B.O., Tirupati – 517 507, Andhra Pradesh, India.

	<p>automatically as per the position of presenter. The main purpose of this camera is to present the board view to the far end with minutest possible details of the handwritten content. The camera on the front side shall simply zoom in and capture the audience.</p> <p>These two cameras is primarily needed when the codec is the receiving party and the camera mounted on the backside wall becomes redundant.</p>	
3.	<p><b>Chapter 6 Schedule of requirements, specifications and allied technical details</b> <b>Point no 09 Page 35</b></p> <p>There shall be two additional Mice microphone placed on both the side of the green board on the designated room to cover the voice of speaker which in turn will be integrated with the video conferencing set up.</p>	<p>The Mic should be noise cancellation enabled. It should be able to capture the voice of the speaker even at both the sides i.e., facing the board or at the audience.</p>



## भारतीय विज्ञान शिक्षा एवं अनुसंधान संस्थान तिरुपति

### INDIAN INSTITUTE OF SCIENCE EDUCATION AND RESEARCH TIRUPATI

(An Autonomous Institute under Ministry of Human Resource Development, Govt. of India)  
Transit Campus : Sree Rama Engineering College Campus, Karakambadi  
Road, Mangalam B.O., Tirupati – 517 507, Andhra Pradesh, India.

4.	<p>Total Minimum 2 Cameras directly coupled to the codec. Each should support 1080p 60fps with minimum 10x optical zoom and minimum 60° field of view. It should support minimum PAN Range of +/- 100°, and Tilt of +/-20°. Automatic or manual focus/ brightness/ whitebalance; <i>Focus distance 0.3m – infinity</i>; Far-end camera control with other codecs; The Camera and codec should be from the same manufacturer. Total minimum 2 (Two) closely integrated with the Codec needs to be installed -One at the back side covering the dias of the proposed room and one placed near the central projector to cover the audience (Refer to the room drawing in Annexure – I).</p>	Remains Unchanged. Tender Specifications prevail.
5.	<p>Page no 34 <i>Interactive Screen Specifications</i></p>	<p>Instead of Interactive Screen. Normal Screen should be supplied as per Specifications. The word “interactive” is dropped from screen specifications. However it is reiterated that the tenderer should design the solution addressing the specifications laid for interactive projection system by deploying interactive projector and (or) interactive screen / normal solid white board.</p>
6.	<p>Chapter 2 Page 13 Timeline for the Completion of Project The Successful bidder is required to execute the installation, commission and Acceptance Testing of the proposed video conferencing set up within 45 days of the award of contract. The actual receipt of the Award of contract by the successful bidder or the 8thday after the award of contract is issued by IISER Tirupati, whichever is earlier will mark the</p>	<p>The Timeline for completion of the project for the proposed Video conferencing Setup is extended to 60 Days.</p>

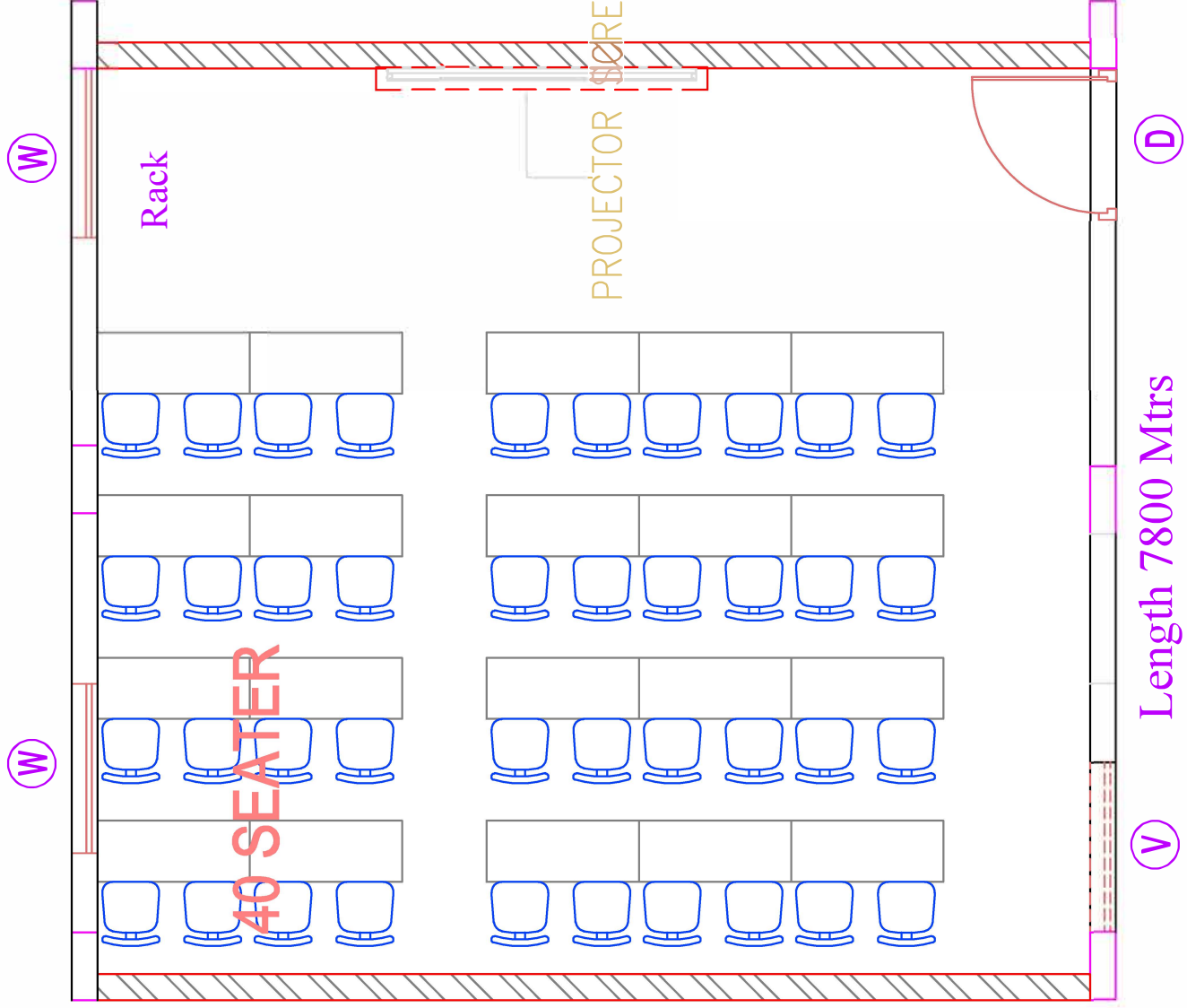


## भारतीय विज्ञान शिक्षा एवं अनुसंधान संस्थान तिरुपति

### INDIAN INSTITUTE OF SCIENCE EDUCATION AND RESEARCH TIRUPATI

(An Autonomous Institute under Ministry of Human Resource Development, Govt. of India)  
Transit Campus : Sree Rama Engineering College Campus, Karakambadi  
Road, Mangalam B.O., Tirupati – 517 507, Andhra Pradesh, India.

	commencement of the project timeline.	
7.	Supply and Installation of Two Display monitors of minimum diagonal size 55” strictly as per the specifications a. Brightness 500 cd/m <sup>2</sup> or better with antiglare screen b. Native Contrast Ratio (Direct Viewing Angle) $\geq 1500:1$	a. Brightness 450cd/m <sup>2</sup> (minimum). b. Native Contrast Ratio Remains Unchanged. The tenderer can quote for models with better specifications.
8.	Recorder Specification	Remains Unchanged. Tender Specifications prevail.
9.	Podium Interface	One additional HDMI interface to be supplied in the podium for directly connecting the laptop. As Specified in tender document
10.	Room Dimensions Windows closed	Yes Windows are closed Ceiling Height 3.5 Mtrs Length 7.8 Mtrs Breadth 8.1 Mtrs Beam in center of the room 2 feet. Room Schematic / CAD design of the proposed site enclosed along with proposed placement of the system Rack.
11.	The Control Solution on 10” panel Should be OEM Specific Panel or I-Pad/ Andriod Device Tablet.	The Solution Integrator has to provide the best in class control panel in adherence to the tendered specifications.



# E-CLASS ROOM

Width 8100

Fal Ceiling Hight FFL TO ROOF 2600

Ceiling Height 3500

Rack

PROJECTOR SCREEN

40 SEATER

Length 7800 Mtrs

(W)

(W)

(D)

(V)