

**KAZI NAZRUL UNIVERSTIY**  
**Asansol – 713340.**

**TENDER NOTICE**

**No:-KNU/R/SCR/TN/505/2016**

**Dated:-15.07.2016**

Sealed Quotations are invited from experienced & reputed vendors towards construction of Smart Class Rooms in the Academic Departments of Kazi Nazrul University.

Interested vendors may visit respective departments and submit their offers separately for technical and financial bid (both should be in separate sealed packet and then be put in another large envelope duly sealed) keeping in view the scope of work as above in a sealed envelope addressing the Registrar (Addl. Charge), Kazi Nazrul University, Asansol – 713340 within 30 days from the date of publication of this advertisement.

Smart classroom is equipped with the following:

- Ceiling mounted projector and projection screen
- 2 Large LCD monitors – one for teacher's viewing and other for students' viewing
- Sound systems
- Touch screen Control system (Wacom Tablet) – Interactive whiteboard
- Video conferencing system (optional) – used for Interactive live classes all over the world
- Laptop – either Mac or Windows operating systems w/DVD-RW
- Laptop connection cables - HDMI, VGA, Mini Display Port
- Microphone (wireless hand-held and lapel)
- 3 HD 3CCD Camera (SONY)
- Cool Lights (4 sets of Dimming Fluorescent video soft lights for video production)
- High speed Network connection

The control room is equipped with the following:

- SONY Anicast Station with external HDD for video mixing and storage
- iMac & Macbookpro for video capturing and editing
- Joysticks camera controls
- Audio mixer
- Mac Streaming server for Live streaming and video on demand
- High speed Network connection

Vendors have to submit their quotations enclosing self attested copies of Trade License, I.T. and Sale Tax Certificate, credential and other necessary documents.

The University reserves the right to accept and /or reject any or all quotations without showing any reason.

Sd/-  
Registrar (Addl. Charge)  
Kazi Nazrul University  
Asansol – 713340.

HD Video Conferencing System

S. No	Item	Specification in detail	
1	High Definition Video conferencing System		
a.	Codec	High Definition Video conferencing Codec, suitable for use in Medium Room & Small Rooms as part of a Video Conferencing Solution. ISDN and IP Compatible.	
b.	Camera	High Definition 12X Zoom Camera (Two cameras with each codec)	
c.	Table Microphone	Powerful High-fidelity Omnidirectional Microphones (Two microphones with each codec)	
		Operation Type	Remote Control
		Bandwidth	6 Mbps and higher preferable
		Video Standard	H.263, H.264 and later standard
		Audio Standard	G.711, G.722, G.729, ACC-LD
		Video Input	Three HDMI , One DVI/VGA
		Video Out	Three HDMI , Two VGA/DVI
		Audio In	Two microphone input port , Two RCA input
		Audio Out	One minijack for line out or One RCA pair stereo line out
		Network	IPv4 and IPv6 support, H.323 and SIP support,
		Preferable Features:	1.) Connect multiple camera to capture both presenter and audience. 2.) High performance architecture for most demanding needs of today and future. 3.) Provide ideal solution for meetings that requires best performance and flexibility from conference room to large lecture hall.
2	LED Television	Screen Size	47 inches
		Picture Quality	Full HD (1920*1080)
		Input	Three HDMI, One USB, One RS323
		Contrast Ratio	Minimum 4000000:1
		Refresh Rate	60 Hertz
		Screen Size	52 inches
		Picture Quality	Full HD (1920*1080)
		Input	Three HDMI, One USB, One RS323
		Contrast Ratio	Minimum 4000000:1
		Refresh Rate	60 Hertz
		Screen Size	55 inches
		Picture Quality	Full HD (1920*1080)
		Input	Three HDMI, One USB, One RS323
		Contrast Ratio	Minimum 4000000:1
		Refresh Rate	60 Hertz
3	Projector with motorized screen		
		Brightness	4000 Lumens
		Contrast Ratio	minimum 2000:1
		Aspect Ratio	16.10 ( WXGA)
		Input	Two HDMI, One VGA
		Resolution	Minimum 1280*800 and higher preferable