



# KAZI NAZRUL UNIVERSITY

Nazrul Road, Kalla More, P.O. – Kalla C. H.  
Asansol – 713340, Dist.- Burdwan, West Bengal  
Phone No.: 0341-227 0456, FAX: 0341-227 1024,  
Email: [regknuasn@gmail.com](mailto:regknuasn@gmail.com), Website: [www.knuedu.in](http://www.knuedu.in)

Ref. No: KNU/R/213/16

Date: 01.03.2016

## Request For Proposal for

### Implementation of Avermedia Video Conferencing System

The information submitted by the Bidder in response to this Request For Proposal (RFP) should cover Technical, Functional and Commercial features. KNU reserves the right to revise, quash or reissue this RFP and all modifications will be advised to the Bidder and such modifications will be binding on them. KNU reserves the right to accept or reject any or all the responses to this RFP without assigning any reason whatsoever. KNU prepared this document for implementation of Video Conferencing System in its campus. It should not be reused in any form.

#### 1. Backdrop

The Kazi Nazrul University was established under West Bengal Act XIX of 2012. Assent of the Governor was first published in the Kolkata gazette, extraordinary 16<sup>th</sup> August 2012.

The 'Request for Proposal' (RFP) document is being issued to the Bidder who desire to offer the proposed comprehensive solution. The Bidder will be the single point of contact for KNU and will be entirely accountable for implementation of the proposed Video Conferencing System as detailed in this RFP document as well as post implementation support including all components of the proposed comprehensive solution.

2. All responses to the RFP must be received in sealed covers superscribed "Request For Proposal for implementation of Video Conferencing System" to the following address by 1 pm on 12.03.2016 at Nazrul Road, Kalla More, P.O. – Kalla C. H. Asansol – 713340, Dist.- Burdwan, West Bengal and would be opened in the presence of available representatives of the Bidder on that day at 2 p.m. at the same address.

#### 3. Minimum requirement

Bidder must have implemented networking solution in at least one College/University/Govt. Institution/ Big Private establishment in India.

#### 4. Scope of RFP

This document constitutes a formal Request For Proposal (RFP) for the implementation of Networking solution. The Bidder shall also be responsible for providing handholding support in post implementation period. The Bidder shall also be responsible for providing end user training to all users of the University.

#### 5. RFP Respondent

The Bidder will also be responsible for the entire implementation on a turnkey basis and will be the single point of contact for KNU for all issues including satisfactory performance of the overall system.

#### 6. Disclaimer

This RFP is an invitation to receive response from Bidder not an offer by KNU. No contractual obligation whatsoever shall arise from the RFP process unless and until a formal contract is signed and executed by duly authorised officers of KNU.

#### 7. Handholding

The Bidder will provide one resource person for a period of 3 days after the date of installation.





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## 8. Liabilities of KNU

This RFP is not an offer by KNU, but an invitation for Bidder's responses. No contractual obligation whatsoever shall arise from the RFP process unless and until a formal contract is signed and executed by duly authorised officers of KNU.

## 9. Bidder Meeting

Bidder may request in writing for one meeting with KNU to seek clarification with respect to the RFP. KNU wishes to reiterate that the purpose of the meeting should be limited to specific clarification in the RFP. Such a meeting, if required, will need to be undertaken on 10. A.M. on 10.03.2016. All clarifications must be sought in writing. Responses will be provided in writing. All e-mail queries should be necessarily followed by documented queries to which KNU will respond. Bidder is also requested to pool queries and submit them together to facilitate responses from KNU. Kindly avoid any query/clarification over telephone. KNU will be governed only by written response/ clarification provided by the officers authorised to respond to Bidder. Any response provided verbally over the phone or person will not be binding on KNU in future negotiations and contract of delivery.

## 11. Appraisal Process

The evaluation methodology will be a two stage process(Annexure I):

- Step I : Eligibility appraisal
- Step II : Functional appraisal

Bidder who meets the eligibility criteria will be qualified for Step II appraisal. Bidder should submit the documents in support of Technical Specification. There will be no scoring involved in the eligibility evaluation.

## 12. Reference Checks

Bidder are required to provide a minimum of one reference sites in India.

## 17. Commercial Bid only from short-listed Bidder

The Bidder short-listed from the Functional appraisal stage will be considered to open the commercial bid as per the format to be prescribed by the KNU for the 'Commercial bid'.

## B. Commercial Bid Evaluation(Annexure II).

Commercials to be submitted in the prescribed format only.

### Annexure I

#### Specification of Video Conferencing :-

16x PTZ Video Conferencing Endpoint with 4 way FULL HD MCU

#### Specifications

##### Communications

- H.323 and SIP standards
- 128Kbps – 4Mbps per connection (up to 12Mbps for 4 way call)
- RJ45 network LAN (10/100/1000)
- Manual bandwidth settings

##### Camera

- HD PTZ camera
- 2-megapixel CMOS camera
- Pan/tilt with 16X optical zoom





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- 67° FOV

## People video resolutions

HD1080p (1920 x 1080)

HD720p (1280 x 720)

480p (848 x 480)

QVGA(320 x 240)

CIF (352 x 288)

All resolutions at 30fps

## Content video resolutions

VGA Supported resolutions:

- WSXGA+ (1680 x 1050)

- WXGA (1280 x 768)

- SXGA (1280 x 1024)

- XGA (1024 x 768)

- SVGA (800 x 600)

- VGA (640 x 480)

## DVI (digital) Supported resolutions:

- 1080p (1920 x 1080)

- 720p (1280 x 720)

- D1 (720 x 480)

- SXGA (1280 x 1024)

- XGA (1024 x 768)

- SVGA (800 x 600)

- VGA (640 x 480)

## Output resolutions:

- Up to HD1080p (1920 x 1080) at 30 fps

## Video standards

H.264, H.263+, H.263

H.239 dual video streams

## Video inputs

HD camera

VGA

DVI

Video outputs

HDMI x 2

VGA

## Audio standards

G.711, G.722, G.722.1, G.728, G.722.1C

Audio features

Auto Gain Control (AGC)

Advanced noise reduction

Advanced echo cancellation(AEC)







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## Audio inputs

EVC microphone array

Line-in (3.5 mm)

Audio outputs

Digital audio on HDMI cable

Line-out (3.5 mm)

## Power supply

AC 100V ~240V, 50/60Hz

Consumption: EIAJ 12V, 4A

## Environmental Data

Operation temperature: 0 ~40°C

Operation humidity: 20% ~80%

Storage temperature: -20 ~60°C

Storage humidity: 20% ~80%

## Network

NAT / rewall traversal (H.460/SIP)

API support via Telnet

Wake-on-LAN (WOL) support

IPv4 and IPv6 support

Quality of service (QoS)

High Efficiency Lost Packet Recovery  
(HELPeR™)

## Security

AES (Advanced Encryption Standard)  
function

Password protection for system settings

Password protection for remote system management

## Web management tool

Remote management through the Web

Firmware update via Ethernet / Internet

Phonebook download / upload / edit

Restore system settings

## Others supported standards

H.224, H.225, H.245, H.281, H.323 Annex Q, H.460

## User interface

Multiple layout styles

User-friendly OSD (21 supported languages:

English, Traditional Chinese, Simplified Chinese,

Czech, Danish, Dutch, Finnish, French, German,

Hungarian, Italian, Japanese, Korean, Norwegian,

Polish, Portuguese-Brazil, Romanian,

Russian, Spanish, Swedish, Thai)

Display / edit site name





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## Package contents

### Main system unit (codec)

HD PTZ camera

EVC microphone array

IR remote control with batteries

Power supply

Cables

Accessory (Standard)

Remote Control: IR type x 1

Mic Cable: Mini din 8pin; 5m x 1

HDMI: HDMI cable 1.5m x 1

Network: RJ45 cable 3m x 1

Camera cable: 6pin camera cable 3m x 1

Power: Power code 1.8m x 1; Power adapter x 1

VGA: VGA cable 1.8m x1

DVI to HDMI adapter

### Other features

Dual monitor support

Speed dialing via hot keys

Firmware update via Ethernet or USB ash drive

Screensaver and Auto Power O mode

Front USB 2.0 ports

Integrated HD MCU connecting to 3 H.323/SIP sites

Recording off line event or meetings to USB  
ash drive

### Physical characteristics

Package dimensions: 378 x 297 x 224 mm

Package weight: 5.985kg (13.194lbs)

Main system (codec): 320 x 262.7 x 37.2mm

eCam PTZ camera: 122.3 x 122.3 x 159.5 mm

EVC microphone array: 131.9 x 118.6 x 25.5 mm

### Warranty

3-year† parts and labour

16x PTZ Video Conferencing Endpoint with 4 way HD MCU

AVer EVC300





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## Annexure II

Items	Quantity	Unit rate inclusive all taxes(rs)	Amount(Rs)
Avermedia 3+1 Video Conferencing system, 16x PTZ Video Conferencing Endpoint with 4 way HD MCU <b>Model - AVer EVC300</b> Specification Sheet as below	1		
<b>Video Conferencing system Connectivity to VC Room</b>			
1:2 HDMI Splitter	1		
HDMI to LAN Converter (Transmitter)	1		
LAN To HDMI Receiver	1		
HDMI Cable 5 mtr	1		
HDMI Cable 1.5mtr	1		
<b>Room Audio Connectivity 1 output devices:-</b>			
Ahuja Wall mount speaker 6W each location for 2 unit	2		
Ahuja 30W amplifier	1		
Ahuja 16 channel manual controller	1		
Tow Core Audio Cabling laying, casing and installation for 3 location (***) Cabling cost on actual basis.)	50 mtr aprox		

The commercial evaluation will be the second stage of the evaluation process and conducted on the basis of commercial parameters prescribed above. The University's decision in this regard will be final and binding upon the respondents.

Yours faithfully,  
(Dr. Sougata Chakrabarti) Registrar (Addl. Charge)  
Kazi Nazrul University  
Asansol - 713340 (W.B.)  
Finance Officer & Registrar (Addl. Charge)

