RFP ADDENDUM #1
Date of Addendum: 17-10-2017

NOTICE TO ALL POTENTIAL RESPONDENTS
The Request for Proposals (RFP) is modified as set forth in this Addendum. The original RFP Documents and any previously issued addenda remain in full force and effect, except as modified by this Addendum, which is hereby made part of the RFP. Respondent shall take this Addendum into consideration when preparing and submitting its Proposal.

PROPOSAL SUBMITTAL DEADLINE
The Proposal submittal deadline has been changed as noted herein, and modifies the deadline stated in the RFP. The new Proposal submittal deadline is 3:00 pm on 23-10-2017

1.0 – RFP

Item	Section	Description of Change
1.1	Section 16 : Annexure 1: Financial Template (On Bidder's letterhead)	The following item is added as point number 6 in the Annexure1 ; 4(four) numbers of USB Capture HDMI Gen 2 ,One channel HD capture dongle ,HDMI + embedded audio (Detailed specification given below)

Specification for USB Capture HDMI Gen 2 ,One channel HD capture dongle ,HDMI + embedded audio		Tentative Quantity (Final Quantity May Change)	Unit Rate	Amount (Rs)
Supported OS	• Windows 7/8/8.1/10/2008/2008 R2/2012 (x86 & x64) • Linux (Ubuntu 12.04–16.10, CentOS 7) • OS X 10.9–10.11 • macOS 10.12	4		

Supported APIs	• Windows
	  ○ DirectShow
	  ○ Wave API/DirectSound/WASAPI
	• Linux
	  ○ V4L2
	  ○ ALSA
	• OS X/macOS
	  ○ QuickTime
	  ○ AV Foundation			

Supported Software	• VLC • VirtualDub • OBS • XSplit • vMix • VidBlaster • Wirecast • Microsoft Media Encoder • Adobe Flash Media Encoder • Any other DirectShow, V4L2, QuickTime,AV Foundation based encoding or streaming software			

Input Interfaces	• HDMI
	  ○ DVI-D 1.0
	  ○ HDMI 1.3			

Host Interfaces	• USB 3.0
	  ○ compatible with USB 2.0
	  ○ compatible with USB 3.1 Gen 1			

Input Features	• Support for input video resolutions up to 2048×2160			
HDMI Specific Features	• 165MHz HDMIreceiver • Adaptive HDMI equalizer support for cables lengths up to 30M • Support for customized EDID • Support for extraction ofAVI/Audio/SPD/MS/VS/ACP/ISRC1/ISRC2/Gamut InfoFrames • Full colorimetry support • Support for 8/10/12-bit color depth • Support for RGB 4:4:4, YCbCr 4:4:4, YCbCr 4:2:2 color sampling			

	• Support for 2-channel ISC60958 audio streams • Support for extraction of audio formation information & channel status data • Support for extraction of video timing information • Support for extraction of 3D format information • Support for Side-by-Side Half, Top-and-Bottom, Frame Packing 3D mode			

Video Capture format	• Support for capture resolutions up to 2048×2160
	• Support for capture frame rates up to 120fps (Actual capture frame rate can be limited by the USB bandwidth and internal working frequency. Typical capture frame rates on the Intel USB 3.0 controller are as follows.)
	  ○ 1920×1080 YUY2 (up to 75fps)
	  ○ 1920×1080 RGB24 (up to 60fps)
	• Support for YUY2 & UYVY4:2:2 8-bit
	• Support for RGB24 & RGB32 4:4:4 8-bit
	• The default capture format is YUY2. More capture format can be set using USB Capture Utility.			

Video Processing Features	• Video processing pipelines with 160 Mpixels/s processing bandwidth
	• Video cropping
	• Video scaling
	• Video de-interlacing
	  ○ Weave
	  ○ Blend top & bottom field
	  ○ Top field only
	  ○ Bottom field only
	• Video aspect ratio conversion
	  ○ Auto or manual selection of input aspect ratio
	  ○ Auto or manual selection of capture aspect ratio
	  ○ Three aspect ratio conversion modes: Ignore (Anamorphic), Cropping or Padding (Letterbox or Pillarbox)
	• Video color format conversion
	  ○ Auto or manual selection of input color format & quantization range
	  ○ Auto or manual selection of capture color format, quantization range & saturation range			

	○ Support for RGB, YCbCr 601, YCbCr 709 color formats ○ Support for Limited or Full quantization range ○ Support for Limited, Full & 'Extended gamut' saturation range • Video frame rate conversion • Vertical flip and mirror			
Multiple devices on one computer	• Support for connecting multiple USB devices to one system • Support for setting the device serial number as the device name shown in the system using USB Capture Utility			
SDK	• The USB Capture SDK provide functions including signal status extraction, capture configuration, etc.			
Firmware Upgrade	• Multiple devices in one system can be upgraded simultaneously			
LED Indicator	• Status LEDs indicate the working state of each channel: idle, input signal locked, memory failed or FPGA configuration failed.			
Form Factor	• 92.2mm (L) x 40.2mm (W) x 12.3mm (H)			
Accessories	• USB 3.0 cable			
Power Consumption	• 5V max current: ~0.5 A • max power consumption: ~2.5 W			
Working Environment	• Operating temperature: 0 to 50 deg C • Storage temperature: –20 to 70 deg C • Relative Humidity: 5% to 90% non-condensing			

END OF ADDENDUM