

Corrigendum – IV

Tender No. WTL/HC/VC/18-19/011 dated 26/09/2018

Sl. No.	Section	Clause No. / Name	Page No.	Present Entry	Replace with
1.	H	Bill of Material	23	–	Revised Bill of Material is enclosed.
2.	I	Technical Specification with Compliance Statement	24	–	Revised Technical Specification is enclosed.
3.	Revised BOQ is enclosed				

SECTION – H
BILL OF MATERIAL

Sl. No.	Item Description	Qty	Unit
1 (a)	USB BASED MICROPHONES CUM SPEAKER WITH BUILT IN ECHO CANCELLER FOR DESKTOP BASED VC SYSTEM. 3 Years Warranty	100	Nos.
	OR		
1 (b)	BLUETOOTH/WIRELESS ENABLED SPEAKER CUM MICROPHONE FOR DESKTOP BASED VC SYSTEM 3 Years Warranty	100	Nos.
2	USB BASED PTZ WEB CAMERA FOR DESKTOP BASED VC SYSTEM. 3 Years Warranty	100	Nos.
3	DISPLAY UNIT FOR VC SYSTEM with HDMI Cable. 5 Years Warranty	100	Nos.
4	UPS for VC SYSTEM. 5 Years Warranty	100	Nos.
5	All-in-One Computer System. 5 Years Warranty	100	Nos.

Note:

Either 1 (a) or 1 (b) to be considered by the bidder at the time of bidding.

SECTION - I

TECHNICAL SPECIFICATION WITH COMPLIANCE STATEMENT

(Tender No. WTL/HC/VC /18-19/0011)

Minimum Specification of USB BASED MICROPHONES CUM SPEAKER WITH BUILT IN ECHO CANCELLER FOR DESKTOP BASED VC SYSTEM

Qty.	100
Make	
Model	
Part No.	

Minimum Specification	Specification (Quoted / Applicable – by the bidder)	Complied (Yes / No)
USB based plug-n-play device to operate with various Linux OS including Ubuntu Linux & Windows Operation Systems		
Good pickup of about 1.5 meters (6-7 feet) distance from the microphone coverage of 360 degree		
Full Duplex Operation (Speak and listen simultaneously)		
Built in Echo cancellation		
Volume control button for increase and decrease according to local preference		
Local Microphone mute / un-mute button with visual indication such as bi-colour LED		
Frequency response for microphone – 200 Hz- 7KHz or better		
HD quality speaker output		
3.5 mm mini phone connector to connect to external device such as speaker and Microphone with echo cancellation		
Upgrade firm ware		

Minimum Specification of BLUETOOTH/WIRELESS ENABLED SPEAKER CUM MICROPHONE FOR DESKTOP BASED VC SYSTEM

Qty.	100 Nos.
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Make	
Model	
Part No.	

Minimum Specification	Specification (Quoted / Applicable – by the bidder)	Complied (Yes / No)
USB based plug-n-play device to operate with various Linux OS including Ubuntu Linux & Windows Operation Systems		
Bluetooth/Wireless connectivity with USB based Dongle to be connected to PC/Laptop		
Should cover distance if typical distance of 20-25 feet from the dongle using Bluetooth/wireless connectivity		
Built in Echo cancellation		
Volume control button for increase and decrease according to local preference		
Local Microphone mute / un-mute button with visual indication such as bi-colour LED		
Frequency response for microphone – 100 Hz- 7KHz or better		
HD quality speaker output/220 Hz to 14 KHz or better		
Firm ware upgradable through USB		
With 10 feet additional USB extension connecting cable		

Minimum Specification of USB BASED PTZ WEB CAMERA FOR DESKTOP BASED VC SYSTEM

Qty.	100 Nos.
Make	
Model	
Part No.	

Minimum Specification	Specification (Quoted / Applicable – by the bidder)	Complied (Yes / No)
USB based plug-n-play device to operate with various PCs/Laptops		
Motorized PTZ (Pan, Tilt, Zoom)		
180 Degree PAN, 50 Degree tilt and 70 Degree Field View		

Compliance to USB 2.0 or better		
Full HD 1080p30 video calling (up to 1920 x 1080 pixels)		
Thermal stabilized Lens such as Carl Zeiss/Equivalent ® lens with auto focus/ high Precision Lens for clear picture		
Compliant with software for video recording using H.264 codec		
Compliant with various Linux OS including Ubuntu Linux, Windows and Mac OS systems		
Minimum 5 feet USB connecting cable		
Compliant low lighting environment		
Built in microphone for audio pickup frm distance of 5 feet		
Remote controller to PTZ functions		
10 feet additional USB extension connecting cable		

Minimum Specification of DISPLAY UIT FOR VC SYSTEM with HDMI Cable

Qty.	100 Nos.
Make	
Model	
Part No.	

Minimum Specification	Specification (Quoted / Applicable – by the bidder)	Complied (Yes / No)
40/7/ or more inches HD LED Monitor compatible with VC System as given in Item 1 above		
Two or more HDMI in Ports with 10 meters HDMI cable		
One D-sub (No.15) Input for PC input including for Audio		
One component Video in with audio		
Built in Stereo Speakers with Amplifier with 5Q x 5 W capacity		
Table Top Stand / Wall Mount Kit		
Remote Control with Display unit Functionalities		
Input Power 230+/-5% with 50 Hz		
5 Years onsite warranty		

Minimum Specification of DISPLAY UIT FOR VC SYSTEM

Qty.	100 Nos.
Make	
Model	
Part No.	

Minimum Specification		Specification (Quoted / Applicable – by the bidder)	Complied (Yes / No)
Capacity	1 KVA LINE INTERACTIVE		
Input Voltage and Frequency	140-270 V, 47 to 53 Hz		
Output Voltage and Frequency (On Mains)	230+/- 5% with AVR(Automatic Voltage Regulation 50 hz+/- synchronized with Input Power Frequency		
Output Voltage and Frequency (On Battery)	230V +/- 3% with 50 Hz		
Backup Time	60 Minutes		
Battery Type	Maintenance free sealed Lead-Acid battery with suspended electrolyte: lead proof		
Overload Capacity	110%		
Efficiency	80% or more		
Output Wavetype	Quasi Sine Wave or better		
Transfer Time	<= 5 milliseconds		
Load Power Factor	0.6		
Other Features	Cold Start, Auto Start, Generator Compatible, No Load Shutdown		
Protections from	Surge, Short Circuit, Spikes, DC Under voltage and Overload		
Indicators	Mains On, Battery, Charge, Overload		
Alarms	Low Battery , Mains Off, Tripping		
Operating Environment	0-40 C		
Operating Relative Humidity	0-95%		

Audible Noise at 1 meter from surface of unit	Not more than 50.00dBA		
Output Sockets	3 or more with 3 pin		
Warranty	5 Years Onsite Warranty including batteries		

Minimum Specification of All-in-One computer System

Qty.	100 Nos.
Make	
Model	
Part No.	

Minimum Specification		Specification (Quoted / Applicable – by the bidder)	Complied (Yes / No)
Computer System Type	Intel I5 ALL-IN-ONE Desktop or Equivalent		
Category	Business (for work) segment(not home segment)		
Form Factor	All-In-One		
Make/Model/Part No.			
Processor & Motherboard			
Processor Family	Intel Core I5 Processor with latest generation		
Processor Series	T or S series processor		
Base Frequency	3.3 Ghz or Higher		
Processor Cache	As per processor		
Motherboard & Chipset	Intel Original Motherboard or equivalent performance chipset for quoted processor based motherboard.		
TDP(Thermal Design Power)	Not more than 65W		
Memory & Disk Storage			
System Memory(RAM)	8 GB/1600 Mhz DDR-III Memory or higher		
Expandable Memory	Upto 16 GB, at least 2 slots		
Hard Disk	Integrated Dual Port Sata-III controller or higher. HDD 1 TB, 7200 RPM or more.		

Platform/Architecture			
Preloaded Operating System	Ubuntu/Free DOS/Without OS (Ubuntu with all required drivers and plugins)		
Operating System Certificate	Ubuntu-Linux 14.04 LTS		
System Architecture	64 bit		
Display & Graphics			
Screen size & resolution	Capacitive touchscreen with 21" (HD resolution) or higher with TCO6 Certification		
Screen Type	HD Wide Screen Backlit LED Anti-Glare Display		
Graphic Processor	Intel HD or equivalent Integrated HD Graphics & Sound Controller		
Monitor Mounting Support	Wall/Cart/Arm Mountable through VESA bracket		
Input			
Web Camera	1.0 Megapixel HD Built In Webcam or Higher		
Pointer Device & Keyboard	OEM USB Optical scrolling Mouse, OEM USB Standard 104 Keys Keyboard		
Audio			
Microphone	Digital Microhone		
Speakers	Stereo Sound Speakers (Built-In)		
Communication			
Ethernet	Integrated Gigabit Ethernet Controller with IPv6 Complaint		
Wireless	IEEE 802.11 b/g/n		
Bluetooth	N.A.		
Ports / Slots			
USB Port	4 x USB 2.0, 2 x USB 3.0		
Other Ports	Mic In, Speaker Out, RJ45, VGA/HDMI/Display Port Out		
Power Supply & Energy Efficiency (Green Compliance)			

Power Supply / Adaptor	External Power A.C. Adaptor		
Energy Certification	Energy Star (EPA) ver 5.0 or later / BEE India Star ver 1 or later		
Power Management	ACPI Compliant		
Battery Backup	N.A.		
Weight	N.A.		
Security Features			
USB Ports Security	USB Port Disable (through BIOS)		
Security Lock			
Other Specifications			
Hardware Drivers	Vendor to provide drivers for Ubuntu-Linux 14.04 LTS		
OEM Product	Original Equipment Manufacturer (OEM) Manufacturer or its authorized distributor/dealers with OEM Manufacturer Certificate/Authorization only can bid		
Warranty & Service Support			
Warranty	5 Years on site Comprehensive Warranty support with Level1 Support from bidder and Level2 support from OEM		
Service Centre	Must have Company Authorised Service Centre in Capital City / High Court Place		

Authorized Signatory (Signature In full): _____

Name and title of Signatory: _____

Stamp of the Company: _____