30-03-2019

Amendment No. 1

Sub: **Amendment to the referred tender enquiry**

Ref.:   **Tender Enquiry.: HITES/PCD/AIIMS-IV/16/OTIN/18-19 dated 07-03-2019**

The following changes are being incorporated in the above referred Tender Enquiry Document

Section – VII
Technical Specification

AMENDMENT		
HITES/PCD/AIIMS-IV/16/OTIN/18-19		
Item No.1 Integration and Data Management System for Modular OT		
Tender Page & Para	**TENDER SPECIFICATION**	**READ AS**
Page 47 Para 1 e	Full MOT Integrations system offered should work without need of Internet within the Hospital/Institute i.e. over INTRANET or OPTICAL FIBER BACKBONE	Full MOT Integrations system offered should work without need of Internet within the Hospital/Institute i.e. over INTRANET or OPTICAL FIBER BACKBONE(**the cabling for same within the OT complex will be responsibility of Vendor and rest will be done by respective institute**)
Page 47 Para2 b	One 42-inch FHD (1920X1080p) medical grade color monitor should be flush mounted on OT wall with all necessary frames with glass should be provided by bidder for each integrated MOT	One 42-inch FHD (1920X1080p) medical grade(**commercial grade monitors will not be accepted**) color monitor should be flush mounted on OT wall with all necessary frames with glass should be provided by bidder for each integrated MOT.**Medical Grade monitor should be of make: Eizo/Barco/Sony/LG**
Page 47 Para 3 a	All AV signals of MOT should be connected to Conference room/Other MOT/Doctors lounge/Etc. for video conferencing and live transmissions in the native form as per the requirement	All AV signals of MOT should be connected to Conference room/Other MOT/Doctors lounge/Etc. for video conferencing and live transmissions in the native(**1080p**) form as per the requirement
Page 47	The Audio-Video system should have minimum	The Audio-Video system should have minimum **8x8**

Para 3 b	12 x 12 Digital with open architecture having compatibility of signals like SD, HD, FHD, 3D, 4K, etc. The routing/Switch system should be able to integrate Full HD/HD/SD/3D/4Ksignal (e.g. Room Camera/OT Light Camera/ Endoscopic Camera/ Recorded Videos/Etc)	Digital with open architecture having compatibility of signals like SD, HD, FHD, 3D, 4K, etc. The routing/Switch system should be able to integrate Full HD/HD/SD/3D/4Ksignal (e.g. Room Camera/OT Light Camera/ Endoscopic Camera/ Recorded Videos/Etc)
Page 48 Para 3 h	Patient and image data (Endoscopic or open procedure) should be able to call up and distributed to required monitors in the operating room. Cross conversion and scaling for SD and HD signals should be available as standard (Every SD/HD input can be routed to any output within MOT)	Patient and image data (Endoscopic or open procedure) should be able to call up and distributed to required monitors in the operating room. Cross conversion and scaling for SD and HD signals should be available as standard (Every **SD,HD,4K & 3D** input can be routed to any output within MOT)
Page 48 Para 3 j	Audio-Video bidirectional Conferencing system should be offered and the system should be able to transfer high quality real time images and audio signals from multipoint at a minimum speed of 2Mbps. The system should able to transmit full HD signals (1080p) over the ISDN lines or IP Service	Audio-Video bidirectional Conferencing system should be offered and the system should be able to transfer high quality real time images and audio signals from multipoint(**minimum 4 party**) at a minimum speed of 2Mbps. The system should be able to transmit full HD signals (1080p) over the ISDN lines or IP Service
Page 48 Para 3 k	Suitable HD camera with 10x Optical Zoom, Freely PAN/TILT for view setting & controls (2Nos- One for VC & One for Room View), Speakers & wireless mic., etc. should be provided in each MOT along with a patch panel which is capable to path any Standalone VC System, AUX in & AUX out and USB(AUX & USB for music only)	Suitable HD(**Resolution: minimum 1080p)** camera with 10x **or more** Optical Zoom, Freely PAN/TILT for view setting & controls (2Nos- One for VC & One for Room View), Speakers & wireless mic., etc. should be provided in each MOT along with a patch panel which is capable to path any Standalone VC System, AUX in & AUX out and USB(AUX & USB for music only)
Page 48 Para 4 c	The Full High-Definition Medical Grade Digital Documentation System should be a high- end computer system based on Windows 7/8 or better embedded platform (for security purposes) designed specifically for recording, managing, and archiving surgical images and video in native full HD resolution. The captured full high-definition images & videos can be accessed from the hard drive for printing or saving onto USB Flash Drive & Hospital network	The Medical Grade Digital Documentation System should be a high-end, computer system based on Windows 7/8 or better embedded platform (for security purposes) designed specifically for recording, managing, and archiving surgical images and video in native(**full HD, HD,SD,3D,4K**) resolution. The captured images & videos can be accessed from the hard drive for printing or saving onto USB Flash Drive & Hospital network
Page 48	It should have at least 500 GB or more internal	It should have at least 500 GB or more internal Hard

Para 4 d.	Hard Disk Drive (HDD) for in-system archiving. Also, able to automatically transfer the data to storage server present Hospital Network. It should be able to preview and simultaneously record views from two video sources parallel and archive as single patient file	Disk Drive (HDD) for in-system archiving. Also, able to automatically transfer the data to storage server present Hospital Network. It should be able to preview and simultaneously record views from two video sources parallel and archive as single patient file. **5 TB network storage should be provided with each integrated OT, it should be kept within the integration rack**
Page 49 Para 6 (a,b,c)	Live video streaming	**Para 6 Deleted**
Page 49 Para 6 a	Full HD live streams of at least three-user selectable any Video sources of each integrated MOT should be provided with suitable encoders & decoders. The sources for the video streaming is freely selectable and the surgeon should be able to put the OT in Private Mode/off, if streaming of Audio-Video is not required to a particular user or to all the users	
Page 49 Para 6 b	The Live Streaming of VC should be possible as one of the AV sources out of three for each MOT as described above	
Page 49 Para 6 c	All Licensed user should simultaneously login through browser based application, based on user privileges defined, to remotely view all streamed audio-video sources and logged- user should be able to select any video from all the Video Signals streaming from all the Integrated MOTs simultaneously. Any user should be able to see all streamed AV sources like - Endo Cam, In light Cam, Room Cam, C-Arm, etc. of any of the MOT at any given point of time	

Added Para:

	BOQ for MOT Integration Per MOT			
S.N	NAME OF THE ITEMS (Description as per specification)	UNIT	Qty for Each MOT	MAF-Ex/NON-Ex/NR

1	**Scope of Bidders** (As per tebder specs) All works including cabling, patch panels,scalers, transducers, etc hardware, software and licenses for meeting the tender requirements	Ls	1	NR
2	**Monitors:** (As per tender specs)			
a	Digital Medical Grade monitor(26 inch or more with ceiling Suspended Arm)	No.	1	NR
b	42 inch Medical Grade Monitor(flushed in MOT Wall with frame)	No.	1	NR
3	**Audio Video Communication System** (including Router, Rack, VC, HD Cameras, Speakers, Mic, and other accessories as per teder requirement	No.	1	Ex(Only for Router & Its Accessories)
4	**Control System cum Digital Documentation System**- (19"or more Medical grade monitor, windows based recorder, 5TB Network Storage, PACS & HIS connectivity and other accessories as per teder requirement	No.	1	Ex(Only for Medical Grade Recorder)
5	**Trolley Based vc System**(Camere, Speaker, Mic, Dialying System, 26" or more Monitor, Suitable Trolley, Licences, Patch Panels and other accessories as per teder requirement	No.	1	NR

All other contents of the tender enquiry including terms & conditions remain unaltered.

Note:

i.   **Prospective Bidders are also advised to check the website regularly prior to the closing date and time of online submission of bids**