Addendum No.1

IFB No: NTV-077/78-06 for "Digital File Based Workflow (II) System Integration, Testing and Commissioning of Ingest, Storage, Play out, NRCS, MAM, NLE, Digital Archiving System and Accessories" NOTE: Bidder shall include the compliance statement on all the Amendment. Bidder shall submit the Amendments along with their bid document and shall be considered for the evaluation. Non submission of this Amendment shall result in the rejection of the Bid.
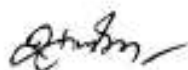
Section	Clause No.	Tender Document Required	Addition/Amended as	Bidder's Compliance statement: FC/PC/NC
Price Schedule	1.1	4 Ingest port with preview (up-gradation to existing system) -4 sets	4 CH Ingest port with preview upgradation to existing system (Ports should be bidirectional) – 1 sets (Total 4 ports)	
Price Schedule	1.2	4 Play-out ports (up-gradation to existing system) 4 sets	4 CH Play out port with preview upgradation to existing system (Ports should be bidirectional) – 1 sets(Total 4 ports)	
Section V – Schedule of supply	1.1	4 Ingest port with preview (up-gradation to existing system) -4 sets	4 CH Ingest port with preview upgradation to existing system (Ports should be bidirectional) – 1 sets (Total 4 ports)	
Section V – Schedule of supply	1.2	4 Play-out ports (up-gradation to existing system) 4 sets	4 CH Play out port with preview upgradation to existing system (Ports should be bidirectional) – 1 sets(Total 4	

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			ports)	
Price Schedule	1.12	4 Ingest port with preview hardware (Spare) - 4 sets	4 CH ingest port with preview bidirectional ports (Spare) – 1 sets	
Price Schedule	1.13	4 Play-out ports hardware (Spare)- 4 sets	4 CH Playout port with preview bidirectional ports (Spare) – 1 sets	
Price Schedule	1.14	central storage (online Storage) Chassis for ingest and play-out (hardware Spare without HDD) - 1 sets	central storage (32TB useable online Storage) Chassis for ingest and play-out (hardware Spare with HDD) - 1 sets	
Section V – Schedule of supply	1.12	4 Ingest port with preview hardware (Spare) - 4 sets	4 CH ingest port with preview bidirectional ports (Spare) – 1 sets	
Section V – Schedule of supply	1.13	4 Play-out ports hardware (Spare)- 4 sets	4 CH Playout port with preview bidirectional ports (Spare) – 1 sets	
Section V – Schedule of supply	1.14	central storage (online Storage) Chassis for ingest and play-out (hardware Spare without HDD) - 1 sets	central storage (32TB useable online Storage) Chassis for ingest and play-out (hardware Spare with HDD) - 1 sets	

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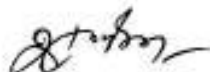
General Technical Specification	9.2	1. The proposed Library should have minimum 80 slots in slot magazines which are easily removable for bulk load and unload.	1. The proposed Library should have minimum 48slots in slot magazines which are easily removable for bulk load and unload.	
General Technical Specification		LTO SERVER AND STORAGE MEDIA a. No of slots: 80 b. Drive supported: LTO 8 half height c. Drives (R and W) – minimum 4 Drives SAS or FC d. 840 TB Licensed Near line LTC capacity e. 50 Additional barcodes f. Cleaning Cartridge g. Should not be effected by magnetic radiation h. 19" Rack mountable with standard Rack mount KIT	LTO SERVER AND STORAGE MEDIA a. No of slots: 48 b. Drive supported: LTO 8 c. Number of Drives (R and W) – minimum 4 Drives with SAS or FC connectivity d. Full I Licensed for all slots e. Required Number of Tape 50 or above with sufficient barcode labels f. Number of LTO cleaning tape: 5 g. Should not be effected by magnetic radiation h. 19" Rack mountable with standard Rack mount KIT	
Section III EQC	1.5	Manufacturer Authorization i) Station Automation software ii) Media Asset management software iii) Digital Archiving System HSM software &Tape library Hardware iv) Multi-viewer	Manufacturer Authorization i) Station Automation software ii) Media Asset management software iii) Multi-viewer iv) Signal processors.	

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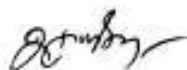
		v) Signal processors.		
ITB	19.2	Manufacturer's Authorization: i) Station Automation software ii) Media Asset management software iii) Digital Archiving System HSM software &Tape library Hardware iv) Multi-viewer v) Signal processors. Non- Submission of required Exclusive Manufacturer's Authorization Letter along with Bid shall result in the rejection of the Bid	Manufacturer's Authorization: i) Station Automation software ii) Media Asset management software iii) Multi-viewer iv) Signal processors. Non- Submission of required Exclusive Manufacturer's Authorization Letter along with Bid shall result in the rejection of the Bid	
ITB	19.3	After Sales Service is required: Refer to Warranty, Extended Warranty and AMS as mentioned in Technical Specification	Free update and upgrade of any software for five years. Online and remote services should be free of cost for five years.	
Price Schedule	6.1	Digital Media logger with2 Channels with hardware and software (90 days recording in low resolution) 2 sets	Digital Media logger with 5 channels input with hardware and software (180 days recording in low resolution in HD format) 1 sets (Any combination of 5 channels can be accepted)	
Price Schedule	1.4	Existing Storage Expansion with 64TB (16 x 4TB) Raw Storage 1 Set	Storage Expansion with 96TB (24 x 4TB) Raw Storage with all base pack units- 1 Set	

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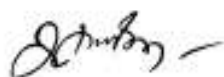
Section V – Schedule of supply	1.4	Existing Storage Expansion with 64TB (16 x 4TB) Raw Storage 1 Set	Storage Expansion with 96TB (24 x 4TB) Raw Storage with all base pack units- 1 Set	
General Technical Specification	17.4	**Price Schedule/ Schedule of Supply** **1.4** Existing Storage Expansion with 64TB (16 x 4TB) Raw Storage - 1 set	**Storage Expansion with 96 TB (24X4TB) Raw Storage- 1 set** **17.4 General Specifications of Storage:** Nepal TV is looking for Ethernet-based shared storage system optimized for Ingest, Online editing, Transcoding, Archive/Nearline and digital media work-lows. Storage should have 800MB/s bandwidth with minimum of 2500 hours storage on 50MB/s video bit rate. The storage shall be proven to provide high bandwidth and reliability for video production such as ingest, playout, archive, edit-in-place, collaborative editing etc The system supplied shall have following features: • Storage shall have Linux Operating system • Storage shall have RAID options include RAID 4 and RAID 6 as per user need • Minimum 8x 12 Gbit SAS connections for optimum editing bandwidth and scope for future expansion • Dual active-active controllers with transparent failover, to avoid any disruption of service in case one controller fails • There shall be no Gateway involved and no license limitation for client access to video files • Support Protocols CIFS/SMB/NFS/FTP • It shall support Growing file ingest from ingest	

GENERAL TECHNICAL SPECIFICATIONS	8.3		
			server and editing with various editing system like FCP/Adobe /avid etc • Online Expansion of storage without disruption of current file system and any down time • Recycle Bin feature for accidental data deletion and recovery • LDAP/AD/LUA integration for user rights of no delete, copy only files. • For real time monitoring it shall support Dashboard features like .... Report generation, storage performance, user logs details, bandwidth performance status. • Automatically extracts reports as CSV file, Weekly or Monthly for administration use • 10 GB server interface • Operating system support Windows/MAC/Linux • Operating temperature 32º to 95º F/0º to 35º C Max change 50º F/10º C per hour	
		HARDWARE FEATURES: (i) **MAM Server–Main and Back-Up** Processor: Dual XEON Processor, 8C /16 T minimum RAM: Min 32 GB Memory Operating system: Windows 2016 STD (64 bit) Storage :2 x 1TB HDD RAID 1	**HARDWARE FEATURES:** (iii) **MAM Server–Main and Back-Up** Processor: Dual XEON Processor, 8C /16 T minimum RAM: Min 32 GB Memory Operating system: Windows 2019 STD (64 bit) /LINUX Storage :2 x 1TB HDD RAID 1	

			Network: Dual 1000Base T Ethernet Dual Redundant Power supplies RAID Controller (ii) **Proxy Generation and File QC Server** Processor: Dual XEON Processor, 8C /16 T minimum RAM : minimum 32GB Memory Operating system : Windows 2016 STD (64 bit) Storage :1TB HDD Network : Dual 1000Base T Ethernet Dual Redundant Power supplies	Network: Dual 1000Base T Ethernet Dual Redundant Power supplies RAID Controller (iv) **Proxy Generation and File QC Server** Processor: Dual XEON Processor, 8C /16 T minimum RAM : minimum 32GB Memory Operating system : Windows 2019 STD (64 bit) /LINUX Storage :1TB HDD Network : Dual 1000Base T Ethernet Dual Redundant Power supplies	
			Acceptance and Training, Local Training	Factory Acceptance Test(FAT) and Training must be in OEM premises. In case of COVID-19 Impact, the FAT and Training Program Shall be conducted in mutual understandings.	
Schedule of supply	3.1 V		v. The operating file system for the automation system should be Windows/UNIX /Linux based real time OS to support multitasking and Multiuser operation built for 24 x 7 operations. This is preferably a Real Time OS used for Military Grade Applications	v. The operating file system for the automation system should be Windows/UNIX /Linux based real time OS to and Multiuser operation built for 24 x 7 operations. This is preferably a Real Time OS used for Broadcast Applications	

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Schedule of supply		OS : Windows Server 2016(STD) 64 bit	OS : Windows Server 2019 (STD) 64 bit	
Price Schedule	10.1	Factory Acceptance for Five persons including Higher Management, Procurement & Engineers.- 10 Days	Factory Acceptance for Four persons including Higher Management & Engineers.- 10 Days	
Schedule of Supply	10.1	Factory Acceptance for Five persons including Higher Management, Procurement & Engineers.- 10 Days	Factory Acceptance for Four persons including Higher Management & Engineers.- 10 Days	
ITB	24.1	The address and deadline for bid submission is: PPMO's E-Procurement Portal for Nepal Television. Date: 03rd December, 2020 Time: 12:00 Noon.	The address and deadline for bid submission is: PPMO's E-Procurement Portal for Nepal Television. Date: 17th December, 2020 Time: 12:00 Noon.	
ITB	27.1	The bid opening shall take place at: Place: Nepal Television Corporation, Singhadurbar, Kathmandu, Nepal Date: 03rd December, 2020 Time: 02:00 PM	The bid opening shall take place at: Place: Nepal Television Corporation, Singhadurbar, Kathmandu, Nepal Date: 17th December, 2020 Time: 02:00 PM	

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