

**ADDENDUM**

Please refer to Films Division's bid notice **No.R-11013/7/2013-RSP** Dated 20<sup>th</sup> November, 2013 and 10th December, 2013 inviting bids for Procurement of Tape Library, Ingest Machine and LTO Server etc. to Films Division Mumbai.

2. The specifications of equipments given in the Annexure-I to the bid notice dated 20-11-2013 is modified as annexed at Annexure-I to this Addendum.
3. The date for submitting tenders/bids is **extended up to 17-1-2014 (upto 1.00p.m.)**. All the interested firms are requested to submit the bid(Technical and Financial) by stipulated date and time. All the terms and conditions mentioned in the earlier bid notice will remain the same.

( A.Subramanian)  
Asstt. Administrative Officer  
For Director General

**Annexure-I**

Quantity	Item	Minimum Requirements
1	LTO 6 24 slot Auto Loader Library with 2 drives (SAS or Copper Connectivity preferable) Must be expandable upto 4 drives and 40 slots.	<b>Tape Library</b>
		• Tape Drive Type: LTO Ultrium6
		• Physical capacity 2.5 TB Native;6.25TB with 2.5:1
		compression
		• Can accommodate 24 Tape Cartridges
		• Data transfer rate: Up to 160 MBps native
		• Read and write:
		LTO Ultrium 6
		2.5 TB data cartridge
		2.5 TB WORM cartridge
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		LTO Ultrium 5
		1.5 TB data cartridge
		1.5 TB WORM cartridge
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		<b>Read only:</b>
		LTO Ultrium 4
		800 GB data cartridge
		800 GB WORM cartridge
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<ul style="list-style-type: none"> <li>• Mediating software must be easily scalable to multiple users, archive managers, PetaByte storage, and all custom entries, tape management, tape health check-up and back-up, transfer data directly from the storage to the library, Should enable direct access to files on LTO tape enabling third-party applications access to media directly on LTO, such as transcoding, XML/AAF/EDL support for conform from LTO to help editors, should have a simple Media Asset Management built in to enable search across all metadata fields, clip views, and low-resolution previews</li> </ul>		

		<ul style="list-style-type: none"> <li>• Should be built on Linear Tape Open (LTO) and Linear Tape File System (LTFS) technologies</li> </ul>
		<ul style="list-style-type: none"> <li>• Should be able to connect directly to SAN or NAS via two 10G ports</li> </ul>
		<ul style="list-style-type: none"> <li>• Provision for Fibber Channel connectivity with Storage (2 FC slots)</li> </ul>
	<b>Miscellaneous</b>	
1	2.0M Mini-SAS/Mini SAS cable	
1	Rack Mount Kit	
	<b>Ingest Machine</b>	
1	CPU	<ul style="list-style-type: none"> <li>• Should Support 3G/SD/HD SDI, 2K, 4K Video I/O</li> </ul>
		<ul style="list-style-type: none"> <li>• Support upto 16-channel, 24-bit AES/EBU audio at 48 kHz sample rate (Synchronous) Audio I/O</li> </ul>
		<ul style="list-style-type: none"> <li>• Support 10 bit Up-Conversion and Down-Conversion</li> </ul>
		<ul style="list-style-type: none"> <li>• Support 10 bit Cross-Conversion between Standard and High Definition.</li> </ul>
		<ul style="list-style-type: none"> <li>• Support LHC Time code on Video I/O</li> </ul>
		<ul style="list-style-type: none"> <li>• OS: Windows 7 Professional 64-bit</li> </ul>
		<ul style="list-style-type: none"> <li>• Processor: Intel® Xeon® Processor E5 series 2.4 GHz</li> </ul>
		<ul style="list-style-type: none"> <li>• 6-8 Cores</li> </ul>
		<ul style="list-style-type: none"> <li>• Chipset: Intel®</li> </ul>
		<ul style="list-style-type: none"> <li>• Memory: 4 ECC unbuffered DDR slots with 16GB populated</li> </ul>
		<ul style="list-style-type: none"> <li>• 1TB 54 RPM Sys Disk + 7200 rpm SATA drives 2x3 TB</li> </ul>
		<ul style="list-style-type: none"> <li>• KB &amp; Mouse: USB</li> </ul>
		<ul style="list-style-type: none"> <li>• The Capture card should be able to capture HD- SDI, SD-SDI Compound and Composite signals from DVCAM, DVCPRO, D-5, Digibeta players.</li> </ul>
1	Monitor	24 Inch or above, HD (2K Quality), HDMI, VGA connectivity, provision for wall mounting (warranty included)
1	<b>Transcoding Software (Optional depending on the solution)</b>	
		<ul style="list-style-type: none"> <li>- Should comply with 10-bit encoding for all standard conversions to maintain "True to Original" results.</li> </ul>
		<ul style="list-style-type: none"> <li>- Should allow users to fine tune for further control</li> </ul>
		<ul style="list-style-type: none"> <li>- Should support filters and ability to configure for more control</li> </ul>

		- Should support extensive format support
		- Should support automation with "Folder Watch" capabilities
		- Easy and intuitive Interface is an added advantage
		<b>Format Support:</b>
		<b>Input Formats:</b>
		Web-Flash 8 (VP6s, VP6e), Flash 9 (H.264), Windows Media 9 (VC-1, WMA Pro, WMV), MPEG-1, H.264, QuickTime
		Streaming / Mobile- 3GPP, 3GPP2, MP4 (MPEG-4, H.264, AAC), Windows Media 9, MP4
		IPTV / Video On Demand - H.264, MPEG-2 Transport Streams
		Production - ProRes, Avid DNxHD® codec, XDCAM HD, IMX, AVC-Intra, DV, DVCPRO HD, QuickTime, AVI, HDV
		DVD and Blu-ray - VOB
		Broadcast - GXF, MXF, MPEG-2 Program Streams, MPEG-2 Transport Streams
		<b>Output Formats:</b>
		Web - Flash 8 (VP6s, VP6e), Flash 9 (H.264), Windows Media 9 (VC-1, WMA Pro, WMV), WebM, MPEG-1, H.264, QuickTime
		Streaming / Mobile - 3GPP, 3GPP2, MP4 (MPEG-4, H.264, AAC), Windows Media 9, MP4
		IPTV / Video On Demand - H.264, MPEG-2 Transport Streams
		Production - AVC-Intra (MOV), DV (25, 50), QuickTime, AVI, Motion JPEG
		DVD and Blu-ray - MPEG-2, H.264 Transport Streams
	<b>Media Server</b>	
1	Dedicated Server for LTO Transfers	<ul style="list-style-type: none"> <li>• Intel Xeon E5 series (Quad Core) 2.40 Ghz 10 MB 1066 MHz, equivalent or better</li> </ul>
		<ul style="list-style-type: none"> <li>• 1 TB x2 7.2K 6Gbps SAS 2.5" SFF G2HS HDD, Enterprise grade</li> </ul>
		<ul style="list-style-type: none"> <li>• 3Gbps SAS HBA Connectivity</li> </ul>
		<ul style="list-style-type: none"> <li>• 18 inch or above Monitor with 10 Mt cabling length</li> </ul>
		<ul style="list-style-type: none"> <li>• Dedicated Rack Mountable Server</li> </ul>

		• <b>Minimum 3 year onsite warranty</b>
		• <b>Keyboard + Mouse with 10 Mt cabling length</b>
1	<b>Full Size Rack</b>	
	Full Size Rack	<b>42 Us</b>
		<b>Full Featured</b>
		<b>800x1000</b>
	<b>Networking Switch (Optional)</b>	<b>Cisco Catalyst Series 20-Port, equivalent or better with limited lifetime warranty.</b>
8	I/O with single plate	
1	500M CAT6 Cable	
1	Twenty Port Networking 1G switch with four 10G ports	
	<b>Services</b>	
	Installation and Configuration	<b>Standard Requirements</b>
	3 years warranty	<b>Standard Requirements</b>