

No.D-21014/34/2014-S

Dated the 12th November, 2014.

To,

SUBJECT :- Procurement of Ingest Workstation and Hardware based ingest Converter

The Director General, Films Division, Ministry of Information and Broadcasting, Government of India, 24-Dr. Gopalrao Deshmukh Marg, Mumbai – 400 026 invites sealed bids from reputed firms/suppliers in two bid system i.e. Technical and Financial Bid from suppliers for **Procurement of Ingest Workstation and Hardware Based Ingest Converter for Films Division, Mumbai**. The details may please be seen at **Annexure-I**.

2. The firms/suppliers/proprietors interested to supply the requisite Ingest Workstation and Hardware Based Ingest Converter as mentioned in Annexure-I, can visit Films Division for clarification/specification, on any working day viz. Monday to Friday from 11.00 am to 5.00 pm (except holidays) in the office of Films Division, Ministry of Information and Broadcasting, Government of India, 24-Dr. Gopalrao Deshmukh Marg, Mumbai – 400 026. The details of this bid notice including specifications of the Ingest Workstation and Hardware Based Ingest Converter are available on the official website of Films Division i.e. **www.filmsdivision.org**

3. The bid should consist of the following documents:

- i) Profile of the company along with copies of PAN, TIN and VAT Certificates.
- ii) Earnest Money in the specified format
- iii) A sealed cover superscribed “**Technical Bid**” containing detailed technical specifications of the product offered in the specified format (Annexure-I) along with any other brochure, catalogues, documents etc. BUT NOT CONTAINING ANY **PRICE INFORMATION ABOUT THE PRODUCTS OFFERED**.

....2/-

iv) A sealed cover superscribed "**Financial Bid**" containing the price schedule (Annexure-II) duly filled in with all commercial details of the bid along with bid No., bid opening date etc.

4. All the above documents should be self attested by an authorized signatory of the bidder and should be on the letter head of the bidder. All the above items should be placed in a cover superscribed "**Bid for procurement of Ingest Workstation and Hardware Based Ingest Converter for Films Division, Mumbai,**". The outer cover should bear the bid number and date of closing/opening prominently underlined along with the address of this office but should not bear any information about the bidder or any identifiable mark on the outside.

5. The bid addressed to The Director General, Films Division, Mumbai should be dropped in drop box kept near the entrance of 1st Phase Building, Films Division, 24-Dr.G. Deshmukh Marg, Mumbai-400 026 up to **1.00 P.M.** on **27.12.2014** All outstation bids, if sent by post, should be sent under registered cover. This Organization will not be responsible for the loss of bid or for delay in postal transit. Bidders are advised in their own interest to ensure that their offer reaches this office well before the closing date and time of the bid as the offers received after the closing date and time of the bid will not be considered. The bids (Technical Bids) will be opened at **3.00 P.M.** on the closing date in the presence of the bidders or their representatives who may be present.

6. The bidder except those who are registered with the Central Purchasing Organization, National Small Industries Corporation (NSIC) must enclose with their Technical Bid an Earnest Money (Bid Security) for **Rs.25,000/-** in the form of either cross Demand Draft, Fixed Deposit Receipt, Banker's Cheque (Pay Order) or Bank Guarantee from any of the Commercial Bank drawn in favour of "**Accounts Officer, Films Division, Mumbai**" valid for a period of 45 days beyond the final bid validity period. The Bid which is not accompanied by Earnest Money will not be considered.

7. The Earnest Money (Bid Security) may be forfeited by Films Division in the following events :-

- i) If bid is withdrawn during validity period or any extension thereon.
- ii) If bid is varied or modified in a manner not acceptable to this organization during the validity period or any extension thereof.
- iii) If a bidder whose bid has been accepted but fails to furnish the performance security deposit, performance bank guarantee within 30 days of acceptance of bid.

8. The Earnest Money (Bid Security) of unsuccessful bidders will be returned on finalization of bid. The Earnest Money of successful bidder will be returned on receipt of performance security deposit/bank guarantee.

9. All leviable taxes/duties, including Sales Tax, Value Added Tax and Service Tax etc., if any may be mentioned separately. If these details are not indicated, it will be assumed that the rate is inclusive of all the taxes excluding Octroi.

.....3/-

10. At the first instance the Technical bids will be opened by the Department and the same will be evaluated by the Competent Committee or Authority. The bidder may be required to arrange a demonstration/presentation of the products offered the date of which will be announced later on . At the second stage, Financial bids of only the technically acceptable offers will be opened for evaluation and ranking before awarding the contract.
11. The successful bidder will furnish a performance Security Deposit at the rate of 5% of the total value in the form of Demand Draft/ Pay Order or Fixed Deposit Receipt or Bank guarantee from any commercial Bank drawn in favour of “Accounts Officer, Films Division, Mumbai” within 30 days of the receipt of supply order. The Performance Security Deposit will remain with the Films Division, till the warranty period of the Ingest Workstation and Hardware Based Ingest Converter is covered.
12. The successful bidder will be required to supply the within 2 weeks of the placement of order and carry out its installation immediately at site.
13. There shall be no negotiations in general. Even in exceptional circumstances, negotiations will be carried out only with the lowest evaluated responsive bidder.
14. The full and final payment will be made/released only after the installation of Dry Cabinet at site. No advance payment will be made under any circumstances.
15. The firm should offer **3 years Support and a minimum warranty period for 12 months** for the for the equipments from the date of its installation or manufacturer’s warranty whichever is more .
16. Right to accept, reject, split the entire Bid or any part thereof without assigning any reason rests with the Director General, Films Division, Mumbai and his decision in this regard is final and binding.
17. Income Tax or any other taxes will be deducted from the bill at source as per Government orders.
18. Any disputes arising out of the bid notice, process and finalization of this bid shall be subject to jurisdiction of the High Court of Mumbai.
19. The payment will be made through ECS on submission of mandatory form available with Films Division.

Yours faithfully,

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

Encl. : As above.

Annexure-I

Qty.	Item	Minimum Requirements	Specifications Offered by the Bidder
1	Ingest Workstation		
	CPU		
		<ul style="list-style-type: none"> • Field-proven reliability. 	
		<ul style="list-style-type: none"> • MAC Pro 	
		<ul style="list-style-type: none"> • 3 GHz or higher with 6-cores processing chip. 	
		<ul style="list-style-type: none"> • 16GB of 1866MHz DDR3 RAM 	
		<ul style="list-style-type: none"> • 2 GB of GDDR5 VRAM to help in GPU compute. 	
		<ul style="list-style-type: none"> • Additional connectivity USB 3.0, Gigabit ethernet and 6 Thunderbolt Ports. 	
		<ul style="list-style-type: none"> • 256 GB Flash storage 	
		<ul style="list-style-type: none"> • Bundled with Display monitors, keyboard and mouse for standalone workstation. 	
	Monitor	24 Inch or above, HD (2K Quality), HDMI, VGA connectivity, provision for wall mounting (warranty included)	
		<ul style="list-style-type: none"> • The ingest from VTR to the workstation must be from an external high performance I/O Ingest. 	
		<ul style="list-style-type: none"> • 3 years Support and Warranty 	

Qty	Item	Minimum Requirements	Specifications Offered by the Bidder	
2	Hardware Based Ingest Converter	<ul style="list-style-type: none"> The same I/O unit converter to capture HD-SDI, SD-SDI Component and Composit signals from DVCAM, DVCPRO, D-5, Digibeta players. 		
		<ul style="list-style-type: none"> The conversion from tapes to Apple ProRes HQ and DNX HD file formats to happen in real time. 		
		<ul style="list-style-type: none"> 3G/SD/HD SDI, 2K, Video I/O 		
		<ul style="list-style-type: none"> 16-channel, 24-bit AES/EBU audio at 48 kHz sample rate (Synchronous) Audio I/O 		
		<ul style="list-style-type: none"> 10 bit Up-Conversion and Down-Conversion 		
		<ul style="list-style-type: none"> 10 bit Cross-Conversion between Standard and High Definition. 		
		<ul style="list-style-type: none"> LTC Timecode Generation through software / hardware 		
		<ul style="list-style-type: none"> To be used 24x7 		
		Connections		
			<u>Input:</u>	
			<ul style="list-style-type: none"> SDI Video Input 	
			10-bit SD, HD, 3Gb/s HD and 2K switchable.	
			<ul style="list-style-type: none"> SDI Video Loop 	
			10-bit SD, HD, 3Gb/s HD and 2K switchable.	
			<ul style="list-style-type: none"> Analog Video Input 	
			Component YUV switchable to Composite. Component supporting HD and SD.	
			<ul style="list-style-type: none"> HDMI Video Input 	
			HDMI type A connector.	
			<ul style="list-style-type: none"> Analog Audio Input 	
			Inputs of professional balanced analog audio on DB-25 for 4 audio channels. Pinout to be compatible with Yamaha™, Mackie™, Sony™ and Apogee™ connectors. Must include inputs of unbalanced analog audio on RCA connectors for consumer equipment.	
		<ul style="list-style-type: none"> AES/EBU Audio Input 		

	AES/EBU pairs on DB-25 for 8 audio channels. Sample rate converted. Pinout to be compatible with Yamaha™, Mackie™, Sony™ and Apogee™ connectors.	
	• SDI Audio Input	
	16 channels in HD and 2K, and 8 channels in SD.	
	• HDMI Audio Input	
	• Timecode Input	
	Support for VITC/ATC.	
	• Sync Input	
	Blackburst in SD or TriSync HD.	
	<u>Output:</u>	
	• SDI Video Output	
	10-bit SD, HD, 3Gb/s HD and 2K switchable.	
	• Analog Video Output	
	Component YUV switchable to Composite. Component supporting HD and SD.	
	• HDMI Video Output	
	HDMI type A connector.	
	• Analog Audio Output	
	• AES/EBU Audio Output	
	• SDI Audio Output	
	16 channels in HD and 2K, and 8 channels in SD.	
	• HDMI Audio Output	
	• Timecode Output	
	<u>Format Supported:</u>	
	• SD Format Support	
	625/25 PAL and 525/29.97 NTSC.	
	• HD Format Support	
	• 2K Format Support	
	• SDI Compliance	

	• SDI Metadata Support	
	• Audio Sampling	
	Television standard sample rate of 48kHz and 24-bit HD, 20-bit SD.	
	• Video Sampling 4:2:2	
	• Color Precision 10-bit	
	• Color Space	
	• SDI Format Support	
	• Analog Format Support	
	525 NTSC, 625 PAL, 720HD and 1080HD switchable.	
	• Analog Component	
	NTSC/PAL 10-bit and 16x Over-sampled Output. HD 10-bit and 4x Over-sampled	
	Output.	
	• Analog Composite	
	• HDMI Color Precision 4:2:2 10-bit	
	• Built-In Dolby Support	
	• Multi Rate Support	
	<u>Conversion / Processing</u>	
	• Real Time Variable and Fixed Aspect Ratio Conversion	
	• Real Time Video Processing	
	• Format Conversion	
	Real time up conversion, down conversion, cross conversion and SD/HD standards conversion on capture.	
	• Colorspace Conversion Hardware based real time.	

	<u>Software Included</u>	Necessary softwares (with licences) if required to be bundled along with the hardware.	
		<ul style="list-style-type: none"> • Comply with 10-bit encoding for all standard conversions to maintain "True to Original" results. 	
		<ul style="list-style-type: none"> • Fine tuning for further control 	
		<ul style="list-style-type: none"> • Extensive format support 	
		<ul style="list-style-type: none"> • Manage transcoding of proxies. 	
		<u>OS Compatibility</u>	
		Mac OS X 10.9 Mavericks or later	
	<u>File Output Mode:</u>		
		Thunderbolt port for realtime capture and playback of video and audio directly to the Workstation.	
		OR	
		The digital files should be transferred to a drive (HDD / SSD) with built-in USB 3.0 / Thunderbolt Ports. Options to be provided for device storage and capacities.	
		<u>Other Requirements</u>	
		<ul style="list-style-type: none"> • All necessary Hardware (Ports, connecting cables, converters, external / expansion chasis, Recording Media etc.) and Softwares (Ingest Management, Hardware Drivers, Transcoding software etc.) essential to functioning of the setup to be bundled as part of the solution. 	
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	Miscellaneous		
2	Rack Mounting Kits		
-	Services		
	Installation and Configuration	Standard Requirements	
	3 years Support and Warranty	Standard Requirements	

(*) (Quantity specified in the bid is subject to change at the discretion of the Director General, Films Division without any notice to the effect).

Signature of authorized signatory

Format for Financial Bid

Name of the company/firm/Individual _____

VAT /Service Tax Registration No. _____

PAN Number _____

Sr. No.	Item	Specification/Model No.	Per Unit cost	Taxes, if any	Total Cost
1.	Hardware Based Ingest Converter	<ul style="list-style-type: none">• The same I/O unit converter to capture HD- SDI, SD-SDI Component and Composit signals from DVCAM, DVCPRO, D-5, Digibeta players.			
		<ul style="list-style-type: none">• The conversion from tapes to Apple ProRes HQ and DNX HD file formats to happen in real time.			
		<ul style="list-style-type: none">• 3G/SD/HD SDI, 2K, Video I/O			
		<ul style="list-style-type: none">• 16-channel, 24-bit AES/EBU audio at 48 kHz sample rate (Synchronous) Audio I/O			
		<ul style="list-style-type: none">• 10 bit Up-Conversion and Down-Conversion			
		<ul style="list-style-type: none">• 10 bit Cross-Conversion between Standard and High Definition.			
		<ul style="list-style-type: none">• LTC Timecode Generation through software / hardware			
		<ul style="list-style-type: none">• To be used 24x7			
	Connections				
		<u>Input:</u>			
		<ul style="list-style-type: none">• SDI Video Input			
		10-bit SD, HD, 3Gb/s HD and 2K switchable.			
		<ul style="list-style-type: none">• SDI Video Loop			
		10-bit SD, HD, 3Gb/s HD and 2K switchable.			
		<ul style="list-style-type: none">• Analog Video Input			
		Component YUV switchable to Composite. Component supporting HD and SD.			
		<ul style="list-style-type: none">• HDMI Video Input			
		HDMI type A connector.			

		• Analog Audio Input			
		Inputs of professional balanced analog audio on DB-25 for 4 audio channels. Pinout to be compatible with Yamaha™, Mackie™, Sony™ and Apogee™ connectors. Must include inputs of unbalanced analog audio on RCA connectors for consumer equipment.			
		• AES/EBU Audio Input			
		AES/EBU pairs on DB-25 for 8 audio channels. Sample rate converted. Pinout to be compatible with Yamaha™, Mackie™, Sony™ and Apogee™ connectors.			
		• SDI Audio Input			
		16 channels in HD and 2K, and 8 channels in SD.			
		• HDMI Audio Input			
		• Timecode Input			
		Support for VITC/ATC.			
		• Sync Input			
		Blackburst in SD or TriSync HD.			
		<u>Output:</u>			
		• SDI Video Output			
		10-bit SD, HD, 3Gb/s HD and 2K switchable.			
		• Analog Video Output			
		Component YUV switchable to Composite. Component supporting HD and SD.			
		• HDMI Video Output			
		HDMI type A connector.			
		• Analog Audio Output			
		• AES/EBU Audio Output			
		• SDI Audio Output			
		16 channels in HD and 2K, and 8 channels in SD.			
		• HDMI Audio Output			
		• Timecode Output			
		<u>Format Supported:</u>			
		• SD Format Support			
		625/25 PAL and 525/29.97 NTSC.			
		• HD Format Support			
		• 2K Format Support			

		<ul style="list-style-type: none"> • SDI Compliance 			
		<ul style="list-style-type: none"> • SDI Metadata Support 			
		<ul style="list-style-type: none"> • Audio Sampling 			
		Television standard sample rate of 48kHz and 24-bit HD, 20-bit SD.			
		<ul style="list-style-type: none"> • Video Sampling 4:2:2 			
		<ul style="list-style-type: none"> • Color Precision 10-bit 			
		<ul style="list-style-type: none"> • Color Space 			
		<ul style="list-style-type: none"> • SDI Format Support 			
		<ul style="list-style-type: none"> • Analog Format Support 			
		525 NTSC, 625 PAL, 720HD and 1080HD switchable.			
		<ul style="list-style-type: none"> • Analog Component 			
		NTSC/PAL 10-bit and 16x Over-sampled Output. HD 10-bit and 4x Over-sampled			
		Output.			
		<ul style="list-style-type: none"> • Analog Composite 			
		<ul style="list-style-type: none"> • HDMI Color Precision 4:2:2 10-bit 			
		<ul style="list-style-type: none"> • Built-In Dolby Support 			
		<ul style="list-style-type: none"> • Multi Rate Support 			
		<u>Conversion / Processing</u>			
		<ul style="list-style-type: none"> • Real Time Variable and Fixed Aspect Ratio Conversion 			
		<ul style="list-style-type: none"> • Real Time Video Processing 			
		<ul style="list-style-type: none"> • Format Conversion 			
		Real time up conversion, down conversion, cross conversion and SD/HD standards conversion on capture.			
		<ul style="list-style-type: none"> • Colorspace Conversion Hardware based real time. 			
	<u>Software Included</u>	Necessary softwares (with licences) if required to be bundled along with the hardware.			
		<ul style="list-style-type: none"> • Comply with 10-bit encoding for all standard conversions to maintain "True to Original" results. 			
		<ul style="list-style-type: none"> • Fine tuning for further control 			
		<ul style="list-style-type: none"> • Extensive format support 			
		<ul style="list-style-type: none"> • Manage transcoding of proxies. 			
		<u>OS Compatibility</u>			
		Mac OS X 10.9 Mavericks or later			

	<u>File Output Mode:</u>				
		Thunderbolt port for realtime capture and playback of video and audio directly to the Workstation.			
		OR			
		The digital files should be transferred to a drive (HDD / SSD) with built-in USB 3.0 / Thunderbolt Ports. Options to be provided for device storage and capacities.			
		<u>Other Requirements</u>			
		<ul style="list-style-type: none"> • All necessary Hardware (Ports, connecting cables, converters, external / expansion chasis, Recording Media etc.) and Softwares (Ingest Management, Hardware Drivers, Transcoding software etc.) essential to functioning of the setup to be bundled as part of the solution. 			
	Miscellaneous				
	Rack Mounting Kits				
	Services				
	Installation and Configuration	Standard Requirements			
	3 years Support and Warranty	Standard Requirements			

Films Division is exempted from payment of Octroi Duty and necessary certificate will be issued, if required.

Company Rubber Stamp/Seal
Of the firm/Company with date

Signature of authorized signatory

