

**National Film Archive of India  
Ministry of Information and Broadcasting  
Government of India**

**1) Corrigendum to RFP for “IP BASED CCTV Surveillance System at National Film Archive of India”**

Attention is invited to the Advertisement on All India basis inviting response to the Request for Proposal for IP BASED CCTV Surveillance System at National Film Archive of India, Pune. The said RFP was also uploaded on the NFAI’s website ([www.nfaipune.gov.in](http://www.nfaipune.gov.in)) and Procurement website of Government of India (<https://eprocure.gov.in/cppp/>).

This document covers the changes and additional information with reference to the pre-bid queries raised by the various Bidders. A document covering the response to the queries raised by various Bidder is prepared separately and will be uploaded on the NFAI website. This Corrigendum and the Bidder query response shall be construed as a part of the RFP and it shall be the responsibility of the Bidder to read carefully and understand the changes / additions mentioned in the Corrigendum and NFAI’s response to the Bidder queries.

The rest of the content as mentioned in the RFP shall remain unchanged.

**Sd/-**

**Shri. Santosh Ajmera,  
Officer on Special Duty, NFHM**

**Corrigendum to RFP for “IP BASED CCTV Surveillance System at National Film Archive of India”**

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**The table below mentions the revised dates related to the RFP schedule:**

<b>Sr. No</b>	<b>Particulars</b>	<b>Remarks</b>
1	Site visit	17 <sup>th</sup> March 2017, 11:30 AM
2	Last date for submission of RFP response	27 <sup>th</sup> March 2017; by 3 PM
3	Opening of Technical Proposal	27 <sup>th</sup> March 2017; 4 PM
4	Presentation of qualified agencies	To be intimated
5	Opening of Commercial Proposal	To be intimated

## 5. Detailed Item-Wise Specifications

### 5.9 Specification of Server

Sr. No.	Item	Description
1	Processor	Server should be populated with 2Nos of Intel E5 2620 V4 proc (8 core, 2.1 Ghz, 20MB cache)
2	Chipset	C610 or higher
3	Memory	Server to be populated with 2 x 8GB DDR4 2400 MT/s
4	DIMM Slots	Minimum 12 DIMM slots
5	Memory Property	Advanced ECC memory protection, Memory mirroring or Equivalent
6	Hard Disk	3 x 900GB SAS 3.5" Drive in RAID 5
7	Drives	Server should support Min 8 x 3.5" drives
8	RAID Controller	Integrated hardware RAID controller and should support Raid 0,1 and 5
9	Optical Drive	DVD-ROM
10	Ethernet Ports	2 X 10 Gb LOM
11	Add on Cards	Dual port 8GB Optical Fibre HBA
12	Expansion Slots	Minimum 5 X Pci-E slots with minimum 2 PCI-E 3.0 enabled Expansion Slots
13	Remote Management	<ul style="list-style-type: none"> <li>• OEM should provide embedded features that helps to manage Servers in physical, local and remote environments, operating in-band or out-of-band, with or without a systems management software agent.</li> <li>• Should include Power Management, necessary licenses should be included.</li> <li>• Power Management should give historical data for at least 72 hours.</li> <li>• Should also support IPv6</li> <li>• Should support remote scripted reconfiguration tools.</li> <li>• Should be able to monitor all systems components (BIOS, HBA's, NICs, CNA's).</li> </ul>
14	Redundant Power Supply	<ul style="list-style-type: none"> <li>• Redundant hot swap power supplies.</li> <li>• Should be 92% + efficient at 100% Load</li> </ul>
15	Redundant Cooling Fans	Should have hot-swap redundant cooling fans. Fans should automatically adjust speeds depending on the temperature inside the server chassis
16	Failure Alerting Mechanism	The server should be able to alert impending failures on maximum number of components. The components covered under alerting mechanism should at least include Processors, memory, PCIe slots, VRMs, power supplies, fans, hard disk drives

**Corrigendum to RFP for “IP BASED CCTV Surveillance System at National Film Archive of India”**

17	Cluster Support	Should support High Availability Clustering
18	Form Factor	2U Rack form factor
19	OS Certification	Microsoft Windows Server® 2008 R2,Microsoft Windows Server 2012 Microsoft Windows Server 2012 R2,Novell® SUSE® Linux Enterprise Server Red Hat Enterprise Linux
20	Server Management	<ul style="list-style-type: none"> <li>• Smart Embedded Systems Management should be able to automate task like discovery deploy monitor and update.</li> <li>• Should not be dependent on agents to for life cycle management.</li> <li>• Should be OS Agnostic.</li> <li>• Should be able to provide Single console to manage Servers.</li> <li>• Power management tool – Single interface to optimize ad control every usage for servers and Racks.</li> <li>• Should be able to integrate to 3rd party management tools.</li> </ul>
21	Warranty	24X7, 365 days Comprehensive onsite warranty for 5 years
22	Rails	Must be supplied with cable management arms and rails to rack mount the servers

## Corrigendum to RFP for “IP BASED CCTV Surveillance System at National Film Archive of India”

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### 3. Scope of Work

3.6. NFAI has already installed, commissioned 10 cameras (5 in phase I and 5 in Phase II). The details of these 10 cameras is mentioned in the table below. The Bidder shall be responsible for seamless integration with the existing CCTV cameras of NFAI. The bidder needs to manage the CCTV cameras which are already commissioned at NFAI as per the need of NFAI. This includes but not limited to shifting, moving, adjusting, managing, maintaining the cameras at all times. The breakup of the existing CCTV installations and components thereof / details is as follows:

S. N.	Description	Qty	Brand	Model
1.	Panasonic 1.3 MP IR Dome Camera PI-HFN103L	8	Panasonic	PI-HFN103L
2.	Panasonic 1.3 MP IR Bullet Camera PI-HPN103L	1	Panasonic	PI-HPN103L
3.	Panasonic IR Speed Dome Camera PI-HW201L	1	Panasonic	PI-HW201L
4.	Panasonic Video 8CH PI-HL2108K Tribid 720P-Pro Compact 1U Pro-HD+ DVR	2	Panasonic	PI-HL2108K
5.	4TB HDD For DVR	2	Seagate	SATA Hard Disk
6.	LCD Display 23”	2	Asus	VC239H
7.	4 U Rack	1	D-link	4U
8.	Power Supply for Camera	2		
9.	RG 59 Cable (3+1 Cable)			Coaxial Cable
10.	Casing Capping		Modi	
11.	BNC Connector			
12.	<b>Unified Storage:</b> SAS Disk drive 1.2 TB 10K RPM, Dual Ported 6 Gbps SAN System 10 TB Usable Capacity on 6 Gbps or Higher Disc Min Front End ports: 4, Min Back End Ports: 2 Cache Total Config. (GB) per Controller: 8 Min Scalable to Drive slots: 100	100 TB	EMC	VNX/NVXe, VNXe3200

Other points in the Scope of Work to remain unchanged

**15. Annexure**

**15.1 Annexure –1 Bill of Quantity of Cameras and Network Active / Passive Components**

**Cameras**

S. No	Description	Quantity	Unit of Measurement
1	40m. PTZ Camera	3	Nos
2	30m DOME Camera	31	Nos
3	50m Box Camera	6	Nos
4	30m Bullet Camera	9	Nos

**SAN Switch Tape Library, HSM and Backup solution**

Sr No.	Name	Feature	Quantity	Unit of Measurement
1	SAN Switch	24 Port SAN Switch with 24 Port Licenses + 24,8/16 GBPS SFP for SAN Switch	2	Nos
2	Tape Library	As per mention in clause 5.9	1	Nos
3	Backup Solution	As per Mention in clause 5.9	1	Nos
4	Unified Storage	As per mention in 5.12 and the corrigendum	50	TB

**NETWORKING Active / Passive COMPONENTS**

S. No	Description	Quantity	Unit of Measurement
1	24 Port POE+ Switch with minimum 2 SFP Port	10	Nos
2	1G SFP Modules Multi mode	4	Nos
3	Cat 6 Cable	11	Box
4	Cat 5e STP Cable	6	Box
5	Cat 6 24 Port Loaded Patch Panel	3	Nos.
6	Cat 6 1 mtr Patch chord	90	Nos.
7	9 U Rack	6	Nos
8	1KVA Rack Mountable Ups with min 10 Minutes backup	6	Nos.
9	12 port Loaded LIU multimode	4	Nos
10	6 core OFC Multimode	450	Mtrs
11	SC-LC Patch Cord	4	Nos
12	25 mm HDPE Pipe	300	Mtr
13	GI Pipe 2” Inch	20	Mtr
14	Casing Patti` 1” (Standard Packing) Bidder to specify the same in the financial proposal.	1	Nos
15	Casing Patti 2” (Standard Packing) Bidder to specify the same in the financial proposal.	1	Nos

**Corrigendum to RFP for “IP BASED CCTV Surveillance System at National Film Archive of India”**

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16	PVC Pipe 1 “(Standard Packing) Bidder to specify the same in the financial proposal.	1	Nos
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**Other Components**

<b>S. No</b>	<b>Item Description</b>	<b>Quantity</b>
1.	Supply and Installation of CCTV Camera System with VMS, Video Analysis software (quantity and Specifications as per attached document)	1
2.	Network Rack, Rack mountable UPS (details attached)	2
3	40” Video Display units	2
4	Servers	2
5	Firewall hardware	2
6	Supply , Installation, Testing, Commissioning of 2 Rack Integrated modular Data Center Infrastructure for Server Room with Comprehensive onsite warranty for 5 years on TURNKEY BASIS	1
7	Installation, Testing, Commissioning of Unified Storage of 50 TB, with SAN Switch.	1
8	LTO 7, Tape Library with 2 Nos. of LTO 7 Drives + File System licenses with backup software solution	1

**15.4 Annexure-4 Template for financial proposal**

**Section A to be as per RFP already issued**

**Section B**

**Table 1 – Summary (Inclusive of all applicable Taxes)**

<b>Sr. No.</b>	<b>Description</b>	<b>Total Amount (Rs.)</b>
<b>A</b>	Cost of equipment and accessories as per Table – 2	
<b>B</b>	Implementation Cost as per Table – 3	
<b>C</b>	Maintenance and support (AMC) as per Table – 4	
<b>Grand Total in words (A+B+C):</b> <b>(This figure shall be used for evaluation of financial proposals).</b>		<b>“GT” =</b> <b>(in figures)</b>

**Table 2: Cost of equipment and accessories**  
**(Inclusive of all Applicable Taxes)**

<b>S.No</b>	<b>Description</b>	<b>Qty</b>	<b>UoM</b>	<b>Make / Model</b>	<b>Unit Price Rs.</b>	<b>Total Price (Rs.)</b>
<b>a</b>	<b>b</b>	<b>c</b>	<b>d</b>	<b>e</b>	<b>f</b>	<b>g = c X f</b>
1	40m. PTZ Camera (Ref. 5.1)	3	Nos			
2	30m DOME Camera (Ref. 5.2)	31	Nos			
3	30m Bullet Camera (Ref 5.3)	6	Nos			
4	50m Box Camera (Ref. 5.4)	9	Nos			
5	LED TV Full HD 40”	2	Nos.			
6	24 Port POE + Switch with minimum 2 SFP Port	10	Nos			
7	Firewall	2	Nos.			
8	1G SFP Modules Multi-mode	4	Nos			
9	Cat 6 Cable	11	Box			
10	Cat 5e STP Cable	6	Box			
11	Cat 6 24 Port Loaded Patch Panel	3	Nos.			
12	Cat 6 1 mtr Patch chord	90	Nos.			
13	9 U Rack	6	Nos			
14	1KVA Rack Mountable Ups with min 10 Minutes backup	6	Nos.			
15	Integrated Modular 2 Rack Data Centre Solution	1	Nos			



**Corrigendum to RFP for “IP BASED CCTV Surveillance System at National Film Archive of India”**

16	12 port Loaded LIU multimode	4	Nos			
17	6 core OFC Multimode	450	Mtrs			
18	SC-LC Patch Cord	4	Nos			
19	25 mm HDPE Pipe	300	Mtr			
20	GI Pipe 2” Inch	20	Mtr			
21	Casing Patti 1” (Ref Corrigendum)	1	Nos			
22	Casing Patti 2” (Ref Corrigendum)	1	Nos			
23	PVC Pipe 1 “(Ref Corrigendum)	1	Nos			
24	Tape Library	1	Nos			
25	SAN Switch	2	Nos			
26	Backup Solution	1	Nos			
27	LTO 7	6	Nos			
28	Software (Provide details e.g. No. of licenses, components, VMS)	Please specify				
29	Server	2	Nos			
<b>Grand Total in words -</b> <b>(This figure shall be used for evaluation of financial proposals).</b>						<b><u>“A”</u></b>

**Table 3 – Implementation Cost**

**(Inclusive of all Applicable Taxes)**

<b>Sr. No.</b>	<b>Item-wise Amounts</b>	<b>Total Amount (Rs.)</b>
1	Charges of the services related design, installations, commissioning and implementation of the CCTV network at NFAI.	
<b>Grand Total in words -</b> <b>(This figure shall be used for evaluation of financial proposals).</b>		<b><u>“B”</u></b>

**Table 4 – Maintenance & Support**

**(Inclusive of all Applicable Taxes)**

<b>Sr. No.</b>	<b>Item-wise Amounts</b>	<b>Year (1)</b>	<b>Year (2)</b>	<b>Year (3)</b>	<b>Year (4) Amount (Rs.)</b>	<b>Year (5) Amount (Rs.)</b>	<b>Total Amount (Rs.)</b>

**Corrigendum to RFP for “IP BASED CCTV Surveillance System at National Film Archive of India”**

		<b>Amount (Rs.)</b>	<b>Amount (Rs.)</b>	<b>Amount (Rs.)</b>			
Cost of the maintenance and supports							= Y1+Y2+Y3+Y4+Y5
1	Equipment's						
2	Software						
3	Helpdesk Support						
<b>Grand Total in words -</b> <b>(This figure shall be used for evaluation of financial proposals).</b>							<b><u>“C”</u></b>

**Note:**

- \* “GT” shall be used for arriving at the lowest Financial Bidder, where “GT” = “A”+“B”+“C” in tables 1, 2, 3 and 4 above
- \* In case of discrepancy in values in figures and word, the value in words shall be considered as final and will be used for financial calculations of Bidder
- \* Prices quoted should be inclusive of all applicable taxes
- \* NFAI reserves the right to increase/decrease the quantum of procurement as quoted in the BoQ, Commercials and price per unit shall be used to arrive at the final applicable payments.
- \* The prices quoted shall remain effective till 1 year from the signing of contract.
- \* The payment to the Bidder shall be made on the actual work performed by the Selected Bidder as per the quoted unit rates.

**9. EMD Bank Guarantee Format**

<<On Rs. 500 Stamp paper>>

To,  
Administrative Officer,  
National Film Archive of India (NFAI),  
Law College road,  
Pune - 411004

Whereas <<Name of the bidder>> (hereinafter called 'the Bidder') has submitted the bid for Submission of RFP # <<RFP Number>> dated <<Date>> for <<Name of the assignment>> (hereinafter called "the Bid") to NFAI.

Know all Men by these presents that we <<Name of the Bank>> having our office at <<Address>> (hereinafter called "the Bank") are bound unto the NFAI (hereinafter called "the Employer") in the sum of Rs. ....<<Amount in figures>> (Rupees .....<<Amount in words>> only) for which payment well and truly to be made to the said Employer, the Bank binds itself, its successors and assigns by these presents. Sealed with the Common Seal of the said Bank this <<Date>>

The conditions of this obligation are:

- a. If the Bidder having its bid withdrawn during the period of bid validity specified by the Employer in the RFP #; or
- b. If the Bidder, having been notified of the acceptance of its bid by the Employer during the period of validity of bid
  - i. Withdraws his participation from the bid during the period of validity of bid document; or
  - ii. Fails or refuses to participate in the subsequent Tender process after having been short listed;

We undertake to pay to the Employer up to the above amount upon receipt of its first written demand, without the Employer having to substantiate its demand, provided that in its demand the Employer will note that the amount claimed by it is due to it owing to the occurrence of one or both of the two conditions, specifying the occurred condition or conditions.

This guarantee will remain in force up to <<insert date>> and including <<extra time over and above mandated in the RFP #>> from the last date of submission and any demand in respect thereof should reach the Bank not later than the above date.

**NOTWITHSTANDING ANYTHING CONTAINED HEREIN:**

**Corrigendum to RFP for “IP BASED CCTV Surveillance System at National Film Archive of India”**

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- a. Our liability under this Bank Guarantee shall not exceed Rs. <<Amount in figures>> (Rupees <<Amount in words>> only)
- b. This Bank Guarantee shall be valid upto <<insert date>>)
- c. It is condition of our liability for payment of the guaranteed amount or any part thereof arising under this Bank Guarantee that we receive a valid written claim or demand for payment under this Bank Guarantee on or before <<insert date>>) failing which our liability under the guarantee will automatically cease.

(Authorized Signatory of the Bank)

Seal:

Date:

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