

National Film Archive of India

Ministry of Information and Broadcasting

Government of India

Corrigendum for Notice Inviting Tender for Audio system upgradation of NFAI Theatres. Ref No. 58/56/2020-Estt. dated October 14, 2021

Attention is invited to the Advertisement on All India basis inviting response to the Notice Inviting Tender for Audio system upgradation of NFAI Theatres. The said NIT was also uploaded on the NFAI's website (www.nfai.gov.in) and Procurement website of Government of India (<https://eprocure.gov.in/cppp/>)

This document covers the changes in the schedule details. The Corrigendum shall be construed as a part of the NIT and it shall be the responsibility of the Bidder to read carefully and understand the changes / additions mentioned it.

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

Sd/-

Deputy Director cum Curator, NFAI

1. Under section 5.2.4, General requirements, the following changes have been made

5.2.4 General requirements

- i. The bidder shall conduct a comprehensive study of the existing audio setup across the three theatres and submit an assessment report along-with recommendations to NFAI.
- ii. Implement the solution within **3 months**.
- iii. The vendor shall work with NFAI and with any assigned parties.
- iv. The bidder has to undertake the cabling exercise for the entire setup.
- v. Standard procedure of audio calibration and alignment would be part of testing & commissioning component.
- vi. Any incidental civil work shall be the responsibility of the selected bidder. The bidder has to get it done at their own cost.
- vii. The vendor shall maintain high quality and performance of the solution.
- viii. The vendor shall prepare and provide user manual or training materials for NFAI officials
- ix. It shall be bidder's responsibility to ensure secure upkeep of materials shared by NFAI.
- x. The Annual Maintenance services shall commence post expiration of warranty of the equipment installed. The period of annual maintenance services shall be three years.
- xi. The bidder shall be responsible for providing comprehensive annual maintenance services of the entire setup (includes the existing and the new equipment installed as part of this tender) across all the three theatres for a period of three years post installation. The comprehensive annual maintenance services shall include the following
 - a. Proper upkeep of the entire theatre setup for Preview theatre, Main theatre at Phase I and Phase II.
 - b. Audio calibration of theatres as and when required by NFAI
 - c. Repair of audio and ancillary equipment of all the theatres at NFAI.
 - d. Ensure the quality of audio output to the satisfaction of NFAI.
- xii. The bidder shall ensure playback provision for existing analog film projection. Dolby CP650 Cinema Processor is being used for this. The installation cost shall be borne by the bidder.
- xiii. The equipment checklist list provided under Annexure- 16 is indicative. The bidder may propose a better solution to executing the said work. Decision of NFAI shall be final in the said regard.
- xiv. The details of existing setup is provided under Section 3 of Corrigendum 5.

2. Under Annexure 1, template for commercial proposal for audio system upgradation of NFAI theatres, following changes have been made

Annexure 1: Template for Commercial Proposal for audio system upgradation of NFAI Theatres

Sr. No	Activity	Quantity (in Nos.)	Per Unit rate (in INR)	Total
(A)	(B)	(C)	(D)	(E= C×D)
1	2-inch 24 kg/m3 Glass wool with black fabric to be installed behind screen	1800 sq. ft.		
2	Black film to block porthole area and reduce the light	120 sq. ft.		
3	Digital Cinema Processor	2		
4	18" Dual subwoofer and similar power amplifier	1		
5	Surround Speakers	4		
6	Main speakers	3		
7	Crossover	1		
8	4 channel Amplifier	2		
9	2 channel Amplifier (1300 Watts @ 4Ohms per Channel; 800 Watts @ 8Ohms; 2500Watts @ 8Ohms bridge; Damping factor > 300; Frequency response 20Hz to 20KHz +-0.5dB)	1		
10	2 channel Amplifier (465 Watts @ 4Ohms per Channel; 290 Watts @ 8Ohms per channel; 700Watts @ 8Ohms bridge; Damping factor > 150; Frequency response 20Hz to 20KHz +-0.2dB)	2		
11	Speaker	3		
12	Installation, Testing and commissioning of equipment mentioned above	Lump sum		
13	Comprehensive Annual Maintenance Services for the entire theatre setup	3 Year (post installation)		
14	Theatres audio system assessment and submission of comprehensive	Lumpsum		

Sr. No	Activity	Quantity (in Nos.)	Per Unit rate (in INR)	Total
(A)	(B)	(C)	(D)	(E= C×D)
	assessment report by a professional team			
III	GST (as applicable)			
Grand Total (In figures) excluding GST (1+2+3+4+5+6+7+8+9+10+11+12+13+14)				
Grand Total (In figures) including GST (1+2+3+4+5+6+7+8+9+10+11+12+13+14+III)				
Grand Total) (In words excluding GST)				
Grand Total (In words including GST)				

Note:

- The numbers are indicative in nature and liable to change. The rate per unit shall be considered for commercial calculation to be paid to the selected Bidders.
- In case of discrepancy between the Grand Total (in words excluding GST) and Grand Total (in figures excluding GST), the value mentioned in the Grand Total (in words excluding GST) shall be considered for evaluation and award of the contract.
- The decision of NFAI shall stand final and binding with regard to the total quantity of work that is required.
- NFAI may choose to take or not take any of the items mentioned in the commercial proposal format at its discretion.
- The unit rates prescribed above would be applicable in case of any changes in the quantity and final billing shall be calculated using the unit prices.
- NFAI's technical team shall review the work and the work output should be in consonance with the applicable standards.
- In addition, the table above, the bidder shall submit the rates for the equipment mentioned below. These shall not be considered for commercial evaluation.

#	Preview Theatre Dolby Sound system.	Make and Model	Qty	Rate (in INR)
I	Preview Theatre Phase I			
1	Two way Stage Speaker	JBL Control 29AV	1	
2	Surround Speaker Two way	JBL Control 1 Pro	1	
3	Sub-Woofer	JBL SB210	1	
4	Amplifiers two channel	Crown Dsi-1000	1	

#	Preview Theatre Dolby Sound system.	Make and Model	Qty	Rate (in INR)
5	Dolby Digital Cinema Processor	Dolby CP750	1	
II Main Theatre Phase I				
1	Main stage Speaker	JBL 4732	1	
2	Sub-Woofer	JBL 4642A	1	
3	Surround Speaker	JBL 8340A	1	
4	Amplifiers	Crown DSI 2000	1	
		Crown DSI 4000	1	
5	Booth Monitor	Crown DSI 8M	1	
III Phase II Theatre				
1	Dolby Digital Processor	DOLBY CP 650	1	
2	Active Crossover for Stage Speakers	ULTRA XTA 300	1	
3	Stage Speakers	KCS 3001	1	
4	Sub Woofers	KCS 218A	1	
5	Surround Speakers	KCS - SR - 10A	1	
6	Booth Monitor	ULTRA CM 680	1	
7	Amplifiers	CROWN	1	

3. Under the Notice Inviting Tender, the following additions have been made

a. Annexure 24 – Details of existing audio system setup across the theatres

Digital Cinema Projection System for Main Theatres and Preview Theatre at Ph-I & II complete with all accessories, Dolby Sound system for Preview, UPS, Isolation Transformers for NFAI, Pune.					
#	Description of Item	Make & Model	Quantity		Location
1	Main Theatre DCP 4 K Projector Phase - 1	Christie CP-4230 + Christie IMB S2	1	Set	Projector Room for Main Theatre
		Server Storage 8 TB			
2	Preview Theatre DCP 2 K Projector Phase - 1	Christie CP-2220 + Christie IMB S2	1	Set	Projector Room for Preview Theatre
		Server Storage 8 TB			
3	Theatre DCP 4 K Projector Phase – 2	Christie CP-4230 + Christie IMB S2	1	Set	Projector Room for Phase 2 Theatre
		Server Storage 8 TB			
4	Switching Routing & Control				
	NetLine NX integrated Controller with I Pad touch panel HDMI Matrix Switcher + Audio De-embedder	Kramer SL-12 10" I PAD Kramer VP-734 & FC-331	2	Sets	Projector Room Phase 1 & 2
5	Theatre Management System Desktop PC with Windows Server software 32" HD Monitor Network Switch and Wifi i/c cabling.	Lenova PC LG Monitor	1	Set	Projector Room Phase 1
6	Preview Theatre Dolby Sound system.				
a	Two way Stage Speaker	JBL Control 29AV	3	Nos.	Preview Theatre
b	Surround Speaker Two way	JBL Control 1 Pro	8	Nos.	Preview Theatre

Corrigendum- 5 for Request for Proposal for Audio system upgradation of NFAI Theatres

November 12, 2021

Digital Cinema Projection System for Main Theatres and Preview Theatre at Ph-I & II complete with all accessories, Dolby Sound system for Preview, UPS, Isolation Transformers for NFAI, Pune.					
#	Description of Item	Make & Model	Quantity		Location
c	Sub-Woofer	JBL SB210	1	Nos.	Preview Theatre
d	Amplifiers two channel	Crown Dsi-1000	6	Nos.	Projector Room
e	Dolby Digital Cinema Processor	Dolby CP750	1	Nos.	Projector Room
f	Digital Audio Rack duly wired		1	Nos.	Projector Room
7	30 KVA UPS 3 Ph IN & 3 Ph OUT with battery and battery Rack Phase - 1	Eaton	1	No	Projector Room for Main Theatre
8	20 KVA UPS 3 Ph IN & 1 Ph OUT with battery and battery Rack Phase - 1	Eaton	1	No	Projector Room for Preview Theatre
9	20 KVA UPS 3 Ph IN & 3 Ph OUT with battery and battery Rack Phase - 2	Eaton	1	No	Projector Room for Ph-2 Theatre
10	Isolation Transformer 30 KVA 3 Ph in and 3 Ph out with spike guard protection and MCB's	Prostar	1	No	Projector Room for Main Theatre
11	Isolation Transformer 20 KVA 1 Ph in and 1 Ph out with spike guard protection and MCB's	Prostar	1	No	Projector Room for Preview Theatre
12	Isolation Transformer 20 KVA 3 Ph in and 3 Ph out with spike guard protection and MCB's	Prostar	1	No	Projector Room for Ph-2 Theatre
13	20 KVA UPS 3 Ph IN & 1 Ph OUT with battery and battery Rack Phase - 1	Eaton	1	No	Server Room for Ph-2
14	3 KVA UPS 1 Ph IN & 1 Ph OUT with battery and battery Rack Phase - 1	Eaton	1	No	For RF readers at Ph-1 basement
15	3 KVA UPS 1 Ph IN & 1 Ph OUT with battery and battery Rack Phase - 1	Eaton	4	No	For RF readers at Ph-2 Color Film Vaults
16	3 KVA UPS 1 Ph IN & 1 Ph OUT with battery and battery Rack Phase - 1	Eaton	1	No	For RF readers at Ph-2 Nitrite Vaults

Theatre, NFAI Phase II Existing equipment details				
#	Item Description	Quantity	Make	Model
1	Projector 35/16 mm dual format with 3 lenses manual operation, double aperture 1:1.85, 1:2.29, 35 mm laser audio analogue and Dolby Digital sound reader, 16 mm laser audio sound head with optical and magnetically pick up lamp house with Xenon lamp OSRAM 2000 watts with cold light glass mirror	1	ERNE MANN	Erne Mann - 15 - 35/16
2	Projection Lenses 35 mm	2	ISCO	
3	Projection Lenses 16 mm	1	LOMO	
4	Spools			
a	16 mm of 2000 Feet	4	Custom built	

Theatre, NFAI Phase II Existing equipment details				
#	Item Description	Quantity	Make	Model
b	35 mm of 6000 Feet	6	Custom built	
c	35 mm of 2000 Feet	6	Custom built	
3	Power Supply Rectifier Unit	1	ERNE MANN	X-3 – 80
4	Sound System Rack	2	Custom built	
a	Dolby Digital Processor	1	DOLBY	CP 650
b	Active Crossover for Stage Speakers	1	ULTRA	XTA 300
c	Stage Speakers	3	KCS	KCS 3001
d	Sub Woofers	2	KCS	KCS 218A
e	Surround Speakers	12	KCS	KCS - SR - 10A
f	Booth Monitor	1	ULTRA	CM 680
g	Amplifiers	10	CROWN	
5	Screen Frame with plastic perforated matt finish screen (10.4 X 4.5) Mtrs	1	Custom built	
6	Motorized wall mounted variable speed rewriter for 35 mm 2000 feet capacity	1	Custom built	
7	Film Slicer and jointer with tape for 35 mm	1	Custom built	
8	Wooden table 2' X 4' with 35 mm & 16 mm manual rewinders	1	Custom built	

NFAI Main Theatre Phase – I Equipment details				
#	Item Description	Quantity	Make	Model
1	Cinema Processor	1	Dolby	CP 650 EX
	Installed in the Rack at Projector Room			
2	Digital Sound Reader	2	Dolby	CAT 702
	Installed on Projector at Projector Room			
3	Reverse Scanner	2	Kelmer	
	Installed on Projector at Projector Room			
4	Main Stage Speaker	3	JBL	4732
	Installed in Auditorium Hall behind Screen			
5	Sub-Woofer	2	JBL	4642A
	Installed in Auditorium Hall behind Screen			
6	Surround Speaker	16	JBL	8340A
	Installed in Auditorium Hall			
7	Amplifiers	11	Crown	DSI 2000
	(9 Working / 2 Standby)			
		2	Crown	DSI 4000
	(1 Working / 1 Standby)			
	Installed in the Rack at Projector Room			
8	Booth Monitor	1	Crown	DSI 8M
	Installed in the Rack at Projector Room			
9	Digital Rack	2	Custom	
	Installed in Projector Room			
10	UPS 20 KVA	1	Eaton	93E-20-D-
	Backup batteries	40	Rocket	ES 26-12
	Installed near Projector Room			
11	Copper Plate Earthing	3		For Sound System near Jaykar Bungalow