

UNIVERSITY OF CALICUT

( Purchase Division)

Tender Number 129445/PURCHASE-ASST-B1/2016/Admn Dated.10.02.2017

TENDER NOTICE

Sealed tenders are invited for the **Purchase and installation of Home Theatre Projector with Screen, HD AV receiver, Speakers and Woofers for Audio Visual Room** for the Department of Journalism and Mass communication, University of Calicut. For details log on [www.universityofcalicut.info](http://www.universityofcalicut.info).

The Tender form can be had from the Purchase Division or can be downloaded from the University website. Sealed tenders with cost of tender form (0.2% of the cost of tender rounded to the nearest multiple of 100 subject to a minimum of Rs.400+ VAT @5% and a maximum of Rs.1,500+ VAT @5%) and EMD (1% of the quoted rate subject to a minimum of Rs.1,500/-) drawn in favour of the Finance Officer should be submitted to The Deputy Registrar ,Purchase Division, University of Calicut Calicut University P.O Malappuram Dt. Kerala -673 635, (Ph. 0494 2407130) **on or before 03.03.2017**. The firms which had been blacklisted already are not eligible to apply. The amount quoted should be inclusive of all charges and installation charges, if any. Date & Time of opening of Tender is 06.03.2017 11.00 AM

**Specifications**

Home Theatre Projector for Audio Visual Room, with Screen, HD AV receiver and Speakers & Woofer and their cabling and installation

**a) Specification: Home Theatre Projector**

RGB liquid crystal shutter projection system (3LCD), LCD Size 0.61" wide panel with MLA (D9.8, C2Fine, 12 bit), Projection Lens Type Optical Zoom (Manual) / Focus (Manual), Zoom Ratio 1 - 1.6, Throw Ratio 1.32 - 2.15 (Wide -Tele), Lens Shift Mode Manual, Lamp Type 250W UHE Life, 3,500 hours / 5,000 hours, Screen Size (Projected Distance) Zoom : Wide 30" - 300" [0.87 - 8.9 m], Zoom : Tele 30" - 300" [1.42 - 14.5 m], Sound Output, 2500 Ansi Lumens, Native Resolution 1080p (1920 x 1080), 16: 9 Aspect Ratio, 65000:1 Contrast Ratio, Horizontal & Vertical Key Stone Correction ,1xVideo In Put: 1RCA & 1x component Video, 2x HDMI, 1x USB A, 1xRS 232c,split screen, 3 D format, 2 D to 3D conversion, Direct Power on/off, 2 year product warranty, 1 year lamp warranty

Accessories- Power Cable: 3m, Remote Control with battery, User's Manual Set

**b) Specification: Projection Screen**

Insta Lock Screen, Size: 135" Diagonal, 16:9 Aspect Ratio, Matte White, Fully black backed front projection screen with textured surface.

**HD AV receiver**

**Specification**

HD AV Receiver, 5.1 Surround sound, fully loaded with Wi-Fi, blue tooth, Compressed Music Enhancer and high-resolution audio support for sound clarity.

	Channel	5.1
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Amplifier Section	Rated Output Power (1kHz, 1ch driven)	115 W (8 ohms, 0.9% THD)
	Rated Output Power (20Hz-20kHz, 2ch driven)	80 W (8 ohms, 0.09% THD)
	Maximum Effective Output Power (1kHz, 1ch driven) (JEITA)	145 W (6 ohms, 10% THD)
	Dynamic Power per Channel (8/6/4/2 ohms)	110 / 130 / 160 / 180 W
Surround Sound Processing	CINEMA DSP	Yes (3D)
	DSP Programs	17
	Dialog Level Adjustment	Yes
	Virtual Presence Speaker	Yes
	Dialogue Lift	Yes
	SILENT CINEMA / Virtual CINEMA DSP	Yes (Virtual CINEMA FRONT)
	Dolby TrueHD	Yes
	Dolby Digital Plus	Yes
	DTS-HD Master Audio	Yes
Audio Features	Compressed Music Enhancer	Yes (including for Bluetooth)
	YPAO sound optimization	Yes
	Adaptive DRC (Dynamic Range Control)	Yes
	Initial Volume & Maximum Volume Setting	Yes
	Bi-amp capability	Yes
	Audio Delay	Yes (0-500 ms)
	192kHz/24-bit DACs for all channels	Yes (Burr-Brown)
Video	4K Ultra HD pass-through	Yes (4K / 60p 4:4:4)
	HDMI 3D pass-through	Yes

Features	HDMI Audio Return Channel	Yes
	Deep Color/x.v.Color/24Hz Refresh Rate /Auto Lip-Sync	Yes
Extensive Connection	HDMI Input/Output	4 / 1 (HDCP 2.2, HDR and BT.2020 compatible)
	HDMI CEC	Yes
	USB Input	USB memory, portable audio player
	Network Port	Yes
Connectivity	MusicCast	Yes
	Wi-Fi	Yes (with Wireless Direct)
	AirPlay	Yes
	Bluetooth	Yes (SBC / AAC)
Extensive Connection	Front AV Input	USB / Mini-jack
	Digital Audio Input/Output: Optical	1 / 0
	Digital Audio Input/Output: Coaxial	2 / 0
	Analog Audio Input/Output	4 (1 front) / 0
	Composite Video Input/Output	4 / 1
	Preout	Subwoofer
	Headphone Output	1
Tuner Section	FM/AM Tuner	Yes
User Interface	On-screen display	Yes (color OSD)
	SCENE	SCENE (4 sets)
	App Control	Yes (iPhone/ iPad / Android phone / tablet)
	Remote Control Unit	Yes



Zone Control	Zone B Output	Yes
General	Standby Power Consumption (IR only)	≤0.1 W
	Auto Power Standby	Yes
	ECO mode	Yes

## Speakers & Woofer

### Specification

- 5.1 speaker package
- Front Floor standing speakers- 2 nos
- - 1x S52 CEN Center channel speakers - 1 no
- Surround/bookshelf speakers surround- 2 nos
- SUB Subwoofer-1 no

Specification	Floor Standing Speakers	Central speakers	surrounding speakers	Sub Woofers
System Type	2 Way Bass Reflex	2 Way Bass Reflex	3 Way closed	Bass Reflex
Impedance	6	6	4	22k
Tweeter (mm/in)	25 / 1	25/1	25/1	-
Woofer (mm/in)	Dual 165 / 6.5	102/4	2 x 140 / 5½	230 / 8
Product dimensions (mm/in, HxWxD)	1000 x 195 x 301 / 39.4 x 7.7 x 11.9	134 x 400 x 207 / 5.3 x 15.7x8.1(mm/in, HxWxD)	260 x 450 x 130	313 x 283 x 305 / 12.3 x 11.1 x 12
Frequency Response (Hz, +/-3dB)	45-20,000	75-20,000	80 - 20.000	38-200
Power Handling (Watts Long/Short Term)	130 / 180	100 / 140	150 / 200	200 , Auto / On / Off
Sensitivity (dB,	89	89	89	

2.8V/1m)				
Crossover Frequency	2500	2500	400 / 2500	-
variable phase control	-	-	-	0-180
inputs	-	-	-	left/right line in

Cabling & Installation of the above items with quality branded cables and professional installation

#### General Terms & Conditions

- 1) The bidder must mention the make and model clearly in the bid.
- 2) The bidder should be an OEM or OEM authorised partner and the copy of the authorisation letter should be attached along with the tender.
- 3) The bidder should have local presence with service centre in Kerala.
- 4) A comprehensive On-site warranty of minimum 2 years should be provided for the entire products & installations.
- 5) The firms should satisfy all the warranty terms and the quoted items should meet all the technical specifications.
- 6) The rates quoted should inclusive of taxes and all other charges including charges for delivery of the articles (including loading/ unloading) at the place mentioned above in the schedule.
- 7) The necessary superscription, due date for the receipt of quotations, the date up to which the rates will have to remain firm for acceptance and the name and address of officer to whom the quotation is to be sent are mentioned on the envelope.
- 8) Any quotation received after the time fixed on the due date is liable to be rejected.
- 9) The quantity of item may vary depending on the availability of funds. (\*)
- 10) The successful bidder should submit performance security at 5% of the total value of the contract.
- 11) On acceptance of quotation the articles should be delivered within a period of 7 days.
- 12) All Kerala Government rules related to purchase are applicable to this tender.

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Deputy Registrar (Purchase)  
For Registrar