IFB NO. EUSL/AHEAD/R2/NCB/LCS/22/11



EASTERN UNIVERSITY, SRI LANKA

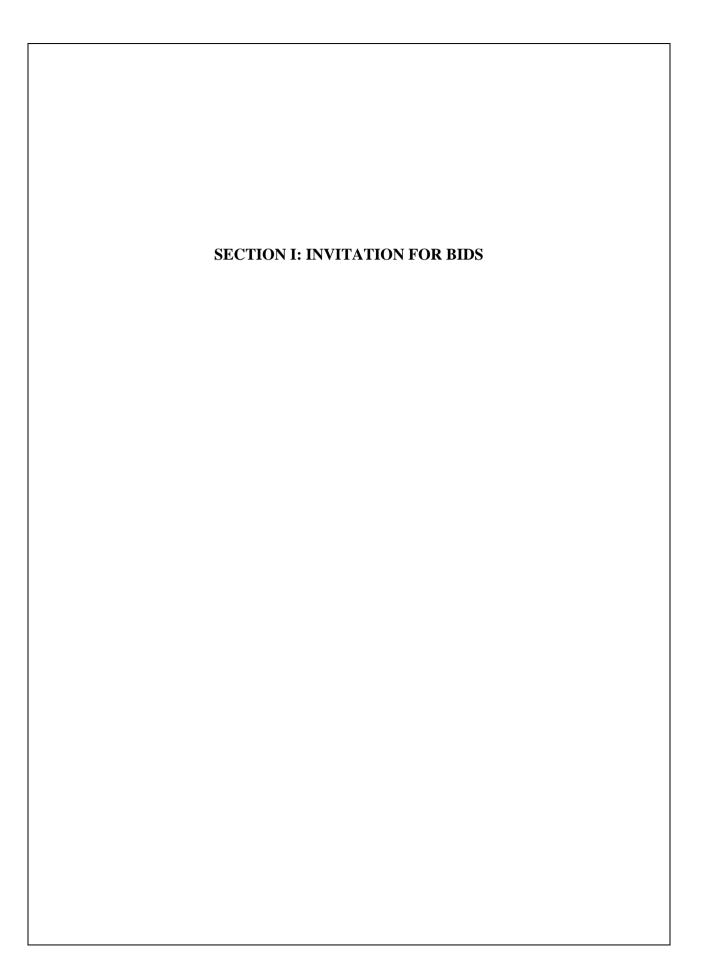
ACCELERATING HIGHER EDUCATION EXPANSION AND DEVELOPMENT OPERATION (AHEAD)

PROCUREMENT OF GOODS

(NATIONAL COMPETITIVE BIDDING)

Supply, Delivery, Installation, Maintenance, and Commissioning of Goods for Movie Theatre

<u>THE DEADLINE FOR BID SUBMISSION: 27/06/2022</u> <u>AT 14.00 HOURS (02.00PM)</u>





OTS/AHEAD Project Eastern University, Sri Lanka (EUSL)

Invitation for Bids (IFB) Supply, Delivery, Installation, Maintenance, and Commissioning of Goods for Movie Theatre Procurement No: EUSL/AHEAD/R2/NCB/LCS/22/11

The Chairman / Project Procurement Committee on behalf of the OTS, AHEAD Operations, Eastern University, Sri Lanka now invites sealed bids from eligible and qualified bidders for **Supply, Delivery, Installation, Maintenance, and Commissioning of Goods for Movie Theatre under National Competitive Bidding method.**

Additional details are provided in the Bidding Documents uploaded at the www.esn.ac.lk webpage. Bidding documents can be obtained at the office of the OTS/AHEAD by submitting the non-refundable fee of Rs. 5,000.00. Those who are obtaining bidding documents from the University Website should submit the completed documents along with a Bank Draft drawn in favor of the "AHEAD Project, Eastern University, Sri Lanka" as non-refundable fee to the Bank of Ceylon A/C No: 82845710.

Interested eligible bidders may obtain further information from the Deputy Director, Procurement, OTS AHEAD Operations of EUSL & Inspect the bidding documents up to 24/06/2022 from 09.00 hour to 15.00 hour on working days at OTS AHEAD Operations, EUSL, Vantharumoolai, Chenkalady. Tel. 065 2059393.

Bids in two copies indicating in Original and Duplicate, must be delivered to the address given below **on or before 14.00 hour on 27/06/2022**. Late bids will be rejected. Bids will be opened at 14.00 hour on the same day at the Board Room of the Eastern University, Sri Lanka.

All bids must be accompanied by a Bid Security in favor of Vice Chancellor, Eastern University, Sri Lanka. Value of the Bid Security as mentioned in the below table.

Type of Items	Bid Security	Valid up to
Supply, Delivery, Installation, Maintenance, and Commissioning of Goods for Movie Theatre	1% of the quoted price of the bidder	30-10-2022

The title of the bid should be clearly mentioned in the top left corner of the bid submission envelope as specified below.

Procurement No. EUSL/AHEAD/R2/NCB/LCS /22/11

Pre-bid meeting with bidders who collect the bidding documents will be held on 21/06/2022 at 10:30 AM in the Department of Language and Communication Studies Trincomalee Campus, Eastern University, Sri Lanka, Konesapuri, Nilaveli.

The decision of the Project Procurement Committee is final and conclusive.

Chairman Project Procurement Committee, Eastern University, Sri Lanka Vantharumoolai Chenkalady 05/06/2022

Section II. Bidding Data Sheet (BDS)

The following specific data for the goods to be procured shall complement, supplement, or amend the provisions in the Instructions to Bidders (ITB). Whenever there is a conflict, the provisions herein shall prevail over those in ITB.

[Instructions for completing the Bid Data Sheet are provided, as needed, in the notes in italics mentioned for the relevant ITB Clauses.]

ITB Clause Reference	A. General						
ITB 1.1	The Purchaser is ¹ : Eastern University, Sri Lanka (EUSL)						
ITB 1.1	The name and identification number of the Contract are ² : SUPPLY, DELIVERY, INSTALLATION, MAINTENANCE, AND COMMISSIONING OF GOODS FOR MOVIE THEATRE PROCUREMENT NO.: EUSL/AHEAD/R2/NCB/LCS/22/11 The number, identification and names of the lots comprising this procurement are ³ : Image: the state of the lots for Movie Theatre Image: the state of the lots for Movie Theatre Image: the state of the lots for Movie Theatre Image: the state of the lots for Movie Theatre Image: the state of the lots for Movie Theatre Image: the state of the lots for Movie Theatre Image: the state of the lots for Movie Theatre						
ITB 2.1	The source of funding is ⁴ : Credit/Grant #:6026-LK/8743-LK ACCELERATING HIGHER EDUCATION EXPANSION AND DEVELOPMENT OPERATION (AHEAD)						
ITB 4.4 ⁵	Foreign bidders are not allowed to participate in bidding.						

	B. Contents of Bidding Documents					
ITB 7.1	For <u>Clarification of bid purposes</u> only, the Purchaser's address is:					
	For <u>Clarification of bid purposes</u> only, the Purchaser's address is: Deputy Director Procurement, OTS/AHEAD Project, OTS Office, Eastern University, Sri Lanka, Vantharumoolai, Chenkalady. Tel: 065-2059393 E-mail: <u>ddp_ots@esn.ac.lk</u> ots@esn.ac.lk					
C. Preparation of Bids						
ITB 11.1 (e) ⁶	 The Bidder shall submit the following additional documents: Document for prove the Qualification requested in IFB. 1. Certified copy of Business Registration 2. Copy of the Manufacturer Authorization Letter issued by the Manufacturer. 3. Evidence to prove last Five years' experience in suppling of similar products 4. Copies of Audited Financial Statements for last Three (03) years. (2021/2020, 2020/2019, 2019/2018) 					
	 Average turnover for last three years should be equal or more than Rs. 100 Million. 					
ITB 14.3 ⁷	The bidders may quote to Supply, Delivery, Installation, Maintenance, and Commissioning of Goods for Movie Theatre					
	Lot NoType of ItemsQuantity1Goods for Movie Theatre01					
ITB 15.1 ⁸	The Bidder shall quote: Sri Lankan Rupees only. (LKR)					
ITB 18.1 (b)	After sales service is: Required,					

	Bidders a	are required to provide;							
	(i) "after period	er sales service" at least for a perio	d of 05 years, afte	er the warranty					
	 (ii) Cost/Amount (LKR) for Service/Maintenance charges of this item for 5 Years after the warranty period. 								
	This	This Amount will be considered in evaluation.							
ITB 19.1 ⁹	The bid s	shall be valid until. 30-10-2022							
ITB 20.1	Bid shall include a Bid Security issued by a commercial bank registered in Sri Lanka. Form of bid security is given in Section IV.								
ITB 20.2 ¹⁰	The amount of the Bid Security shall be:								
	Lot No	Type of Items	Bid Security	Valid up to					
	1	Supply, Delivery, Installation, Maintenance, and Commissioning of Goods for Movie Theatre	1% of the quoted price of the bidders	30-10-2022					
		D. Submission and Op	ening of Bids						
ITB 22.2 (c)	The inner and outer envelopes shall bear the following identification marks ¹¹ : "SUPPLY, DELIVERY, INSTALLATION, MAINTENANCE, AND COMMISSIONING OF GOODS FOR MOVIE THEATRE								
ITB 23.1	For bid s	ubmission purposes, the Purchaser's	s address is:						
	Deputy Director/Procurement, OTS/AHEAD Project, Office of the Registrar, Senate Building, Eastern University, Sri Lanka, Vantharumoolai, Chenkalady Tp. No.: 0652059393								
	The dead	lline for the submission of bids is:							
	Date: 27	7/06/2022 Time: 14.00 hours (02.0	0 p.m.)						

ITB 26.1	The bid opening shall take place at:							
110 20.1	Board Room							
	Eastern University, Sri Lanka,							
	Vantharumoolai,							
	Chenkalady.							
	Date: 27/06/2022							
	Time: <i>Immediately after the bid closing time of</i> 14.00 hour (02.00 p.m.) of same date							
	E. Evaluation and Comparison of Bids							
ITB 34.1	Domestic preference <i>shall not</i> be a bid evaluation factor.							
ITB 35.3(d)	The final price of the Price Schedule will be considered as the Bid Price (Subject to any adjustment if required)							
ITB 35.4 ¹²	The following factors and methodology will be used for evaluation:							
	a. Fully compliance with technical specification & all other bidding conditions.							
	b. Fully compliance to the mandatory item in the specification							
	c. Certificate of Business Registration							
	d. Authorization letter from the manufacturer							
	e. Spares should be available at least for 5 years.							
	f. Should supply with operating manual and service manual							
	g. After sales services should be handled by local agents.							
	h. Country of Origin should be stated							
	i. International and/ or National usage of quoted brand/Model with the Customer's list.							
	j. Quoted brand should be more than 5 years in the International Market. Bidder must be attached Evidence Document.							
	k. Factors related to characteristics performance and terms and conditions of purchase of the good and relative services will be considered.							
ITB 35.5	Purchaser shall							
	a. Evaluate total items specified in ITB 14.3 as a single lot.							
	b. Take into account the substantial, responsive, lowest-evaluated bidder.							
ITB 43.1	Performance Bond should be submitted within Two week of Purchase order date, validity period of 120 Days (Beneficiary: The Vice Chancellor, Eastern							

	University, Sri Lanka, Bond value: 10% of the total Purchase order Value, from Any bank registered under Central Bank of Sri Lanka
	F. Others
-	with bidders who collect the bidding documents will be held on 21/06/2022 at Dept. of Languages and Communication Studies, Trincomalee Campus, puri.

Section IV. Bidding Forms

Table of Forms

Bid Submission Form
Price Schedule:
Bid Security (Guarantee)
Bid-Securing Declaration
Manufacturer's Authorization

Bid Submission Form

[Note: the purchaser is required to fill the information marked as "*" and delete this note prior to selling of the bidding document]

[The Bidder shall fill in this Form in accordance with the instructions indicated No alterations to its format shall be permitted and no substitutions shall be accepted.]

Date: [insert date (as day, month and year) of Bid Submission] No.: [insert number of bidding process]

To: [* insert complete name of Purchaser]

We, the undersigned, declare that:

- (a) We have examined and have no reservations to the Bidding Documents, including Addenda No.: [insert the number and issuing date of each Addenda];
- (b) We offer to supply in conformity with the Bidding Documents and in accordance with the Delivery Schedules specified in the Schedule of Requirements the following Goods and Related Services [* insert a brief description of the Goods and Related Services];
- (c) The total price of our Bid without VAT, including any discounts offered is: *[insert the total bid price in words and figures];*
- (d) The total price of our Bid including VAT, and any discounts offered is: *[insert the total bid price in words and figures];*
- (e) Our bid shall be valid for the period of time specified in ITB Sub-Clause 18.1, from the date fixed for the bid submission deadline in accordance with ITB Sub-Clause 23.1, and it shall remain binding upon us and may be accepted at any time before the expiration of that period;
- (f) If our bid is accepted, we commit to obtain a performance security in accordance with ITB Clause 43 and CC Clause 17 for the due performance of the Contract;
- (g) We have no conflict of interest in accordance with ITB Sub-Clause 4.3;
- Our firm, its affiliates or subsidiaries—including any subcontractors or suppliers for any part of the contract—has not been declared blacklisted by the National Procurement Agency;
- (k) We understand that this bid, together with your written acceptance thereof included in your notification of award, shall constitute a binding contract between us, until a formal contract is prepared and executed.
- (1) We understand that you are not bound to accept the lowest evaluated bid or any other bid that you may receive.

Signed: [insert signature of person whose name and capacity are shown] In the capacity of [insert legal capacity of person signing the Bid Submission Form]

Name: [insert complete name of person signing the Bid Submission Form]

Duly authorized to sign the bid for and on behalf of: *[insert complete name of Bidder]*

Dated on ______, _____ [insert date of signing]

Price Schedule

[The Bidder shall fill in these Price Schedule in accordance with the instructions indicated. The list of line items in column 1 of the **Price Schedules** shall coincide with the List of Goods and Related Services specified by the Purchaser in the Schedule of Requirements.]

PRICE SCHEDULE

1	2	3	4	5	6	7	8	9
Item No	Description of Goods	Country of Origin & Country of Manufacture	Unit	Quantity	Unit price	Sub Total] [(7) = (5) x (6)]	VAT	Total price with VAT
1.	Supply, Delivery and Installation of 5.1 surround sound system for Digital Cinema Theater with all accessories		No	01				
2.	Server with DCP (Digital Cinema Package) player with life time license.		No	01				
3.	UPS 10KVA		No	01				
4.	Blue ray player		No	01				
5.	Mounting rack for sound system equipment		No	01				
6.	Supply and Installation of Large venue DLP Multi Media Projector in Movie Theatre		No	01				
7.	Supply and Installation of 26 x 14 feet Silver Screen with Screen Frame		No	01				
8.	Heavy duty 13 volts' square pin power extension codes		Nos	03				
9.	1500VA Stabilizer		No	01				

Bid Guarantee

[Note: the purchaser is required to fill the information marked as "*" and delete this note prior to selling of the bidding document]

[this Bank Guarantee form shall be filled in accordance with the instructions indicated in brackets]

----- [insert issuing agency's name, and address of issuing branch or office] -----

***Beneficiary:** ------ [name and address of Purchaser]

Date: ------ [insert (by issuing agency) date]

BID GUARANTEE No.: *------ [insert (by issuing agency) number]*

We have been informed that ------ [insert (by issuing agency) name of the Bidder; if a joint venture, list complete legal names of partners] (hereinafter called "the Bidder") has submitted to you its bid dated ------ [insert (by issuing agency) date](hereinafter called "the Bid") for the supply of [insert name of Supplier] under Invitation for Bids No. ------ [insert IFB number] ("the IFB").

Furthermore, we understand that, according to your conditions, Bids must be supported by a Bid Guarantee.

At the request of the Bidder, we ------ *[insert name of issuing agency]* hereby irrevocably undertake to pay you any sum or sums not exceeding in total an amount of ---- *[insert amount in figures]* ------ *[insert amount in words]*) upon receipt by us of your first demand in writing accompanied by a written statement stating that the Bidder is in breach of its obligation(s) under the bid conditions, because the Bidder:

- (a) has withdrawn its Bid during the period of bid validity specified; or
- (b) does not accept the correction of errors in accordance with the Instructions to Bidders (hereinafter "the ITB"); or
- (c) having been notified of the acceptance of its Bid by the Purchaser during the period of bid validity, (i) fails or refuses to execute the Contract Form, if required, or (ii) fails or refuses to furnish the Performance Security, in accordance with the ITB.
- This Guarantee shall expire: (a) if the Bidder is the successful bidder, upon our receipt of copies of the Contract signed by the Bidder and of the Performance Security issued to you by the Bidder; or (b) if the Bidder is not the successful bidder, upon the earlier of (i) our receipt of a copy of your notification to the Bidder that the Bidder was unsuccessful, otherwise it will remain in force up to ----- (*insert date*)

Consequently, any demand for payment under this Guarantee must be received by us at the office on or before that date.

[signature(s) of authorized representative(s)]

Bid-Securing Declaration

[Note: the purchaser is required to fill the information marked as "*" and delete this note prior to selling of the bidding document]

[The **Bidder** shall fill in this form in accordance with the instructions indicated in brackets]

Date: -----[insert date by bidder]

*Name of contract -- [insert name]

*Contract Identification Nº: -----[insert number]

*Invitation for Bid No.: ----- insert number]

*To: Vice Chancellor, EUSL

We, the undersigned, declare that:

- 1. We understand that, according to instructions to bidders (hereinafter "the ITB"), bids must be supported by a bid-securing declaration;
- 2. We accept that we shall be suspended from being eligible for contract award in any contract where bids have being invited by any of the Procuring Entity as defined in the Procurement Guidelines published by National Procurement Agency of Sri Lanka, for the period of time of *three years* starting on *the latest date set for closing of bids of this bid*, if we:
 - (a) withdraw our Bid during the period of bid validity period specified; or
 - (b) do not accept the correction of errors in accordance with the Instructions to Bidders of the Bidding Documents; or
 - (c) having been notified of the acceptance of our Bid by you, during the period of bid validity, (i) fail or refuse to execute the Contract Form, if required, or (ii) fail or refuse to furnish the performance security, in accordance with the ITB.
- 3. We understand this bid securing shall expire if we are not the successful bidder, upon the earlier of (i) our receipt of a copy of your notification to the Bidder that the bidder was unsuccessful; or (ii) twenty-eight days after the expiration of our bid.
- 4. We understand that if we are a JV, the Bid Securing Declaration must be in the name of the JV that submits the bid. If the JV has not been legally constituted at the time of bidding, the Bid Securing Declaration shall be in the names of all future partners as named in the letter of intent.

Signed [insert signature(s) of authorized representative] In the Capacity of [insert title] Name [insert printed or typed name]

Duly authorized to sign the bid for and on behalf of [insert authorizing entity]

Dated on [insert day] day of [insert month], [insert year]

Manufacturer's Authorization

[The Bidder shall require the Manufacturer to fill in this Form in accordance with the instructions indicated. This letter of authorization should be on the letterhead of the Manufacturer and should be signed by a person with the proper authority to sign documents that are binding on the Manufacturer. The Bidder shall include it in its bid, if so, indicated in the BDS.]

Date: [insert date (as day, month and year) of Bid Submission] No.: [insert number of bidding process]

To: [insert complete name of Purchaser]

WHEREAS

We [insert complete name of Manufacturer], who are official manufacturers of [insert type of goods manufactured], having factories at [insert full address of Manufacturer's factories], do hereby authorize [insert complete name of Bidder] to submit a bid the purpose of which is to provide the following Goods, manufactured by us [insert name and or brief description of the Goods], and to subsequently negotiate and sign the Contract.

We hereby extend our full guarantee and warranty in accordance with Clause 27 of the Conditions of Contract, with respect to the Goods offered by the above firm.

Signed: [insert signature(s) of authorized representative(s) of the Manufacturer]

Name: [insert complete name(s) of authorized representative(s) of the Manufacturer]

Title: [insert title]

Duly authorized to sign this Authorization on behalf of: [insert complete name of Bidder]

Dated on day of _	, [insert date of signing]
-------------------	----------------------------

Section V. Schedule of Requirements

Contents

1.	List of Goods and Delivery Schedule
2.	List of Related Services and Completion Schedule
3.	Technical Specifications
4	Drawings
5.	Inspections and Tests

1. List of Goods and Delivery Schedule

[The Purchaser shall fill in this table, with the exception of the column "Bidder's offered Delivery date" to be filled by the Bidder]

Line	Description of Goods	Quantity	unit	Final (Project Site) Destinat ion as specifie d in BDS	Delivery Date ¹			
Item N°					Earliest Delivery Date	Latest Delivery Date	Bidder's offered Delivery date [to be provided by the bidder- [insert the number of days following the date of effectiveness the Contract]]	
1.	Supply, Delivery and Installation of 5.1 surround sound system for Digital Cinema Theater with all accessories	01	No		On or before 30 days from the date of purchase order	On or before 60 days from the date of		
2.	Server with DCP (Digital Cinema Package) player with life time license.	01	No		-	purchase order		
3.	UPS 10KVA	01	No		-			
4.	Blue ray player	01	No		-			

¹ applicable only if delivery is considered for evaluation. If not only one column "Delivery Date" duly filled by the Purchaser is required

5.	Mounting rack for sound system equipment	01	No			
6.	Supply and Installation of Large venue DLP Multi Media Projector in Movie Theatre	01	No	On or before 30 days from the date of purchase order	On or before 60 days from the date of	
7.	Supply and Installation of 26 x 14 feet Silver Screen with Screen Frame	01	No		purchase order	
8.	Heavy duty 13 volts' square pin power extension codes	03	No			
9.	1500VA Stabilizer	01	No			

2. List of Related Services and Completion Schedule

[This table shall be filled in by the Purchaser. The Required Completion Dates should be realistic, and consistent with the required Goods Delivery Dates]

Service	Description of Service	Quantity ¹	Unit	Place where Services shall be performed	Final Completion Date(s) of Services
[insert Service No]	[insert description of Related Services]	[insert quantity of items to be supplied]	[insert unit for the items]	[insert name of the Place]	[insert required Completion Date(s)]
1.	Supply, Delivery and Installation of 5.1 surround sound system for Digital Cinema Theater with all accessories	01	No	Department of Language and Communication	
2.	Server with DCP (Digital Cinema Package) player with life time license.	01	No	Studies Trincomalee Campus, Eastern University, Sri	
3.	UPS 10KVA	01	No	Lanka, Konesapuri, Nilaveli	
4.	Blue ray player	01	No		
5.	Mounting rack for sound system equipment	01	No		

6.	Supply and Installation of Large venue DLP Multi Media Projector in Movie Theatre	01	No	Department of Language and Communication Studies Trincomalee	
7.	Supply and Installation of 26 x 14 feet Silver Screen with Screen Frame	01	No	Campus, Eastern University, Sri Lanka, Konesapuri, Nilaveli	
8.	Heavy duty 13 volts' square pin power extension codes	03	Nos	Innaven	
9.	1500VA Stabilizer	01	No		

03. TECHNICAL SPECIFICATIONS

[The Technical specifications may be provided in the following format. The bidder shall fill the columns 6 and 7. Bidder's failure to provide the information requested in the columns 6 and 7 may be a reason for the rejection of the bid. If any discrepancy is observed between the information provided by the bidder in the columns 6 and 7 and the other technical information attached to the bid, the information provided herein shall take precedence.]

Section IV: Technical Specification & Compliance

		Specification for Cinema Solution System				
	DESCRIPTION	MINIMUM REQUIREMENTS	QTY	CONFI T SPECIFI	0	REMARKS
				Yes	No	
	Required Item Specification given, so	olution should provide by supplier a with given specific		ouilt solution. A	All the equipn	nent should comply
1	Supply, Delivery and Installation of 5. Digital Cinema Theater solution with					
1.1	Screen Channel Loudspeaker 3 Way Arr	ray Loudspeaker (with Accessories)				
	Make	Please Specify	-			
	Model	Please Specify	-			
	Country of Origin	Please Specify	-			
	Country of Manufacturer	Please Specify]			
	Nominal Coverage (-6 dB)	90° horizontal x 30°				
	Frequency Response1 (-6 dB)	30 Hz- 20 kHz	1			

Frequency Range1 (-10 dB)	32 Hz- 20 kHz
Crossover Frequencies (passive)	400 Hz & 2000 Hz
Crossover Frequencies	500 Hz active, 24 dB
(bi-amp)	/octave LF to mid-high,
Sensitivity (1 watt / 1 meter, passive mode)	100 dB SPL
Calculated Maximum Output (passive mode)	125 dB continuous, 130 dB peak SPL at 1 m
LF Enclosure:	
Impedance	4 ohms (4Ω)
Sensitivity 1 watt/1 meter, half space	100 dB or better
Maximum Input Power	500 W continuous or better
Maximum Recommended Amplifier Power	1000 W continuous or better
Recommended Processing	Subsonic filter below 30 Hz, >18 dB per octave
Connectors	Barrier strip screw terminals accept up to #10 AWG stranded wire
Transducers	Two 15-inch high efficiency, extended bass
Enclosure	Ported enclosure with symmetrical port design, tuned to 40 Hz,

1	constructed of MDF and
	heavily braced
HF Enclosure:	
Impedance	8 ohms (8Ω)
Sensitivity 1 watt/1 meter, half space	96 dB
Maximum Input Power	80 W continuous oe better
Maximum Recommended Amplifier Power	320 W continuous or better
Recommended Processing	4th-order LR crossover at 500 Hz
Connectors	Factory installed NL4 plug for connection to input terminal plate
Transducers	6.5-inch high efficiency mid-range, 1-inch exit,1.4-inch diaphragm compression driver
Enclosure	Tilt/Pan Bracket -20 to +10° vertical tilt ± 15° horizontal pan
Warranty	5 Years or Better (Please Specify)
Dual 18'' (inch) Cinema Subwoofer (With Accessories)	
Make	Please Specify
Model	Please Specify
Country of Origin	Please Specify

Country of Manufacturer	Please Specify
Frequency Range1 (-10dB)	20 Hz to 150 Hz
Rated Noise Power (Voltage)	1100 W or better
Sensitivity	100 dB or better
Maximum Continuous SPL	130 dB or better
Maximum Peak SPL	130 dB or better
Rated Impedance	4 ohms (4Ω)
Recommended Amplifier Power	2200 Watts
Transducer	Two 18-inch woofers, 4- inch. voice coils
Enclosure Details	
Input Connectors	4-position barrier strip
Enclosure Material	MDF, 19 mm or better
Installation	Should require less than 17" inches behind screen
Warranty	5 Years or Better (Please Specify)

1.3

Cinema Surround Speaker (With Accessories & Brackets)	
Make	Please Specify
Model	Please Specify
Country of Origin	Please Specify
Country of Manufacturer	Please Specify
Frequency Range 1 (-10dB, Half space)	50 Hz to 20 kHz
Rated Coverage Angle (-6 dB)	90° conical

ľ		
ŀ		
-		
_		
Ī		
ŀ		
-		
ſ		
Ī		
-		
L		

Maximum Rated SPL		
Calculated Peak at rated power		120 dB
Calculated Continuous		110 dB
Rated Impedance		8 ohms (8 Ω) nominal
Rated Noise Power		150 watts or better
Maximum Recommended Amp	olifier Power	500 watts or better
Sensitivity		94 dB
Input Connectors		Two 5-way binding posts, should accepts up to 10
Transducers		10" LF driver 1" HF compression driver
Enclosure Material		12mm MDF with black vinyl wrap, matte finish
Warranty		5 Years or Better (Please Specify)
Digital Cinema Processor		
Make		se Specify
Model	Plea	se Specify
Country of Origin	Plea	ise Specify
Country of Manufacturer	Plea	use Specify
Features	for 5	uld have Ten digital inputs 5.1 and 7.1 soundtracks and VI or better

1		l
ŀ		
-		
ľ		
ł		

Dolby Digital or better Should be able to Control and monitoring via Ethernet including full SNMP support Should be able to Serial automation control via RS-232 Should be able to provide Analog Inputs for film processors, non-sync and Mic/Line or better Should have Master volume and full 1/3 Octave Graphic EQ on all channels and no need for the subwoofer Should be able to Booth Monitor loudspeaker and headphone jack Should be able to Digital Loudspeaker Crossovers — three passive or bi-amp screen channels or better Should be able to Bypass mode routes audio around failed components to insure that the Event/ Show will goes on without any interruptions Front Panel Controls and Indicators Rotary encoder Monitor Volume/ Parameter adjust Rotary encoder LCD Panel LCD Screen or Better			1
monitoring via Ethernet including full SNMP support Should be able to Serial automation control via RS-232 Should be able to provide Analog Inputs for film processors, non-sync and Mic/Line or better Should have Master volume and full 1/3 Octave Graphic EQ on all channels and no need for the subwoofer Should be able to Booth Monitor loudspeaker and headphone jack Should be able to Digital Loudspeaker Crossovers — three passive or bi-amp screen channels or better Should be able to Bypass mode routes audio around failed components to insure that the Event/ Show will goes on without any interruptions Front Panel Controls and Indicators Monitor Volume/ Parameter adjust Rotary encoder			
including full SNMP support Should be able to Serial automation control via RS-232 Should be able to provide Analog Inputs for film processors, non-sync and Mic/Line or better Should have Master volume and full 1/3 Octave Graphic EQ on all channels and no need for the subwoofer Should be able to Booth Monitor loudspeaker and headphone jack Should be able to Digital Loudspeaker Crossovers — three passive or bi-amp screen channels or better Should be able to Bypass mode routes audio around failed components to insure that the Event/ Show will goes on without any interruptions Front Panel Controls and Indicators Monitor Volume/ Parameter adjust			
Should be able to Serial automation control via RS-232 Should be able to provide Analog Inputs for film processors, non-sync and Mic/Line or better Should have Master volume and full 1/3 Octave Graphic EQ on all channels and no need for the subwoofer Should be able to Booth Monitor loudspeaker and headphone jack Should be able to Digital Loudspeaker Crossovers — three passive or bi-amp screen channels or better Should be able to Bypass mode routes audio around failed components to insure that the Event/ Show will goes on without any interruptions Front Panel Controls and Indicators Monitor Volume/ Parameter adjust Rotary encoder			
automation control via RS-232 Should be able to provide Analog Inputs for film processors, non-sync and Mic/Line or better Should have Master volume and full 1/3 Octave Graphic EQ on all channels and no need for the subwoofer Should be able to Booth Monitor loudspeaker and headphone jack Should be able to Digital Loudspeaker Crossovers — three passive or bi-amp screen channels or better Should be able to Bypass mode routes audio around failed components to insure that the Event/ Show will goes on without any interruptions Front Panel Controls and Indicators Monitor Volume/ Parameter adjust Rotary encoder			
Should be able to provide Analog Inputs for film processors, non-sync and Mic/Line or betterShould have Master volume and full 1/3 Octave Graphic EQ on all channels and no need for the subwooferShould be able to Booth Monitor loudspeaker and headphone jackShould be able to Digital Loudspeaker Crossovers — three passive or bi-amp screen channels or betterShould be able to Bypass mode routes audio around failed components to insure that the Event/ Show will goes on without any interruptionsFront Panel Controls and IndicatorsRotary encoder		Should be able to Serial	
Analog Inputs for film processors, non-sync and Mic/Line or better		automation control via RS-232	
processors, non-sync and Mic/Line or better		Should be able to provide	
Mic/Line or better		Analog Inputs for film	
Should have Master volume and full 1/3 Octave Graphic EQ on all channels and no need for the subwooferShould be able to Booth Monitor loudspeaker and headphone jackShould be able to Digital Loudspeaker Crossovers — three passive or bi-amp screen channels or betterShould be able to Bypass mode routes audio around failed components to insure that the Event/ Show will goes on without any interruptionsFront Panel Controls and IndicatorsMonitor Volume/ Parameter adjustRotary encoder		processors, non-sync and	
full 1/3 Octave Graphic EQ on all channels and no need for the subwoofer		Mic/Line or better	
all channels and no need for the subwooferImage: Should be able to Booth Monitor loudspeaker and headphone jackShould be able to Digital Loudspeaker Crossovers — three passive or bi-amp screen channels or betterImage: Should be able to Bypass mode routes audio around failed components to insure that the Event/ Show will goes on without any interruptionsFront Panel Controls and IndicatorsRotary encoderMonitor Volume/ Parameter adjustRotary encoder		Should have Master volume and	
all channels and no need for the subwoofer Image: subwoofer Should be able to Booth Monitor loudspeaker and headphone jack Image: subwoofer Should be able to Digital Image: subwoofer Loudspeaker Crossovers — Image: subwoofer three passive or bi-amp screen Image: subwoofer channels or better Image: subwoofer Should be able to Bypass mode Image: subwoofer routes audio around failed Image: subwoofer components to insure that the Image: subwoofer Event/ Show will goes on Image: subwoofer Wonitor Volume/ Parameter adjust Rotary encoder		full 1/3 Octave Graphic EQ on	
Should be able to Booth Monitor loudspeaker and headphone jackShould be able to Digital Loudspeaker Crossovers — three passive or bi-amp screen channels or betterShould be able to Bypass mode routes audio around failed components to insure that the Event/ Show will goes on without any interruptionsFront Panel Controls and IndicatorsMonitor Volume/ Parameter adjustRotary encoder			
Monitor loudspeaker and headphone jack Image: Constraint of the second		subwoofer	
headphone jack image: constraint of the second		Should be able to Booth	
Should be able to Digital Loudspeaker Crossovers — three passive or bi-amp screen channels or better Should be able to Bypass mode routes audio around failed components to insure that the Event/ Show will goes on without any interruptions Front Panel Controls and Indicators Monitor Volume/ Parameter adjust Rotary encoder		Monitor loudspeaker and	
Loudspeaker Crossovers — three passive or bi-amp screen channels or better Should be able to Bypass mode routes audio around failed components to insure that the Event/ Show will goes on without any interruptions Front Panel Controls and Indicators Monitor Volume/ Parameter adjust Rotary encoder		headphone jack	
Loudspeaker Crossovers — three passive or bi-amp screen channels or better Should be able to Bypass mode routes audio around failed components to insure that the Event/ Show will goes on without any interruptions Front Panel Controls and Indicators Monitor Volume/ Parameter adjust Rotary encoder		Should be able to Digital	
three passive or bi-amp screen channels or better		•	
channels or better channels or better Should be able to Bypass mode for the source of the			
routes audio around failed components to insure that the Event/ Show will goes on without any interruptions Front Panel Controls and Indicators Monitor Volume/ Parameter adjust Rotary encoder			
routes audio around failed components to insure that the Event/ Show will goes on without any interruptions Front Panel Controls and Indicators Monitor Volume/ Parameter adjust Rotary encoder		Should be able to Bypass mode	
Event/ Show will goes on without any interruptions Front Panel Controls and Indicators Monitor Volume/ Parameter adjust Rotary encoder			
Event/ Show will goes on without any interruptions Front Panel Controls and Indicators Monitor Volume/ Parameter adjust Rotary encoder		components to insure that the	
without any interruptions Front Panel Controls and Indicators Monitor Volume/ Parameter adjust Rotary encoder			
Front Panel Controls and Indicators Image: Control of the second sec		-	
	Front Panel Controls and Indicators		
LCD Panel LCD Screen or Better	Monitor Volume/ Parameter adjust	Rotary encoder	
	LCD Panel	LCD Screen or Better	

Push buttons	
Rotary encoder	
Config and management	
interface	
3.5mm TRS	
10/100 Mbps network	
RJ45 – 6 contact closure inputs	
DB-9 Serial Interface	
RJ45	
RJ45	
RCA — Stereo digital audio	
interface and Lt/ Rt Matrix	
DB-25	
3.5 mm TRS — Stereo Left an Right and Lt/ Rt Matrix	
XLR — Mic (+ phantom pwr) or line level	
HD-15 (9)	
Max output level: 14 dBu	
Dynamic range (unweighted): > 109 dB	
5-pin Euro-style (x1) – common	
GND	
Output stage type: Balanced	
output	
Max output level: 18 dBu	

Relay outputs3-pin Euro-style (x2) - max VDC		
Monitor Speaker	2"x 3.5" full-range or better	
Audio Performance A/D conversion	24-bit delta-sigma, 48 kHz	
Frequency Response	20 Hz to 20 kHz (+- 5dB)	
Input/ Outputs Main Analog Input		
Connector	DB25F - 8 channel	
Input stage type	Active balanced input	
Input Impedance	20k Ohms	
Max analog input level	+14.2 dBu (4.0 Vrms)	
Mic/Line Input (XLR)		
Input Stage Type	Active balanced input	
Input Impedance	2.2k Ohms	
Max Analog Input Level	26 dBu	
Input gain	0 to 60dB in 1 dB steps	
Phantom power voltage	15V	
Stereo Line Inputs		
Connector	3.5mm TRS mini jack	
Input stage type	Unbalanced input	
Input impedance (4dBu sens)	> 10k Ohms	
Max analog input level (4dBu sens)	+14 dBu (4.2 Vrms)	

-	
1	

Input impedance (-10dBV sens) 2.7k Ohms	
Max analog input level (-10dBV sens) 0 dBV (1 Vrms)
Monitor Headphone O	utput
Connector	Front Panel 3.5mm mini jack
Output stage type	Unbalanced output
Max output level	21 dBu
Dynamic range (unweigh	nted) > 109 dB
Other Requirement	
Line voltage requiremen	ts 100 VAC – 240 VAC, 50/60 Hz
Womenty	5 Years or Better (Please
Warranty	Specify)
	essing Amplifier for Cinema
4-channel Digital Proce	essing Amplifier for Cinema
4-channel Digital Proce	essing Amplifier for Cinema Please Specify
4-channel Digital Proce Make Model	Please Specify Please Specify Please Specify Please Specify
4-channel Digital Proce Make Model Country of Origin	Please Specify Please Specify Please Specify Please Specify
4-channel Digital Proce Make Model Country of Origin Country of Manufacture	Please Specify Please Specify Please Specify Please Specify Please Specify
4-channel Digital Proce Make Model Country of Origin Country of Manufactures General Specifications	Please Specify Please Specify Please Specify Please Specify Please Specify

	l

Frequency response	20 Hz - 15 kHz +/- 0.2 dB 20 Hz - 20 kHz +0.2 dB / -0.7 dB
Noise Level	
Unweighted Output Unmuted	-101 dB
Weighted Output Muted	-109 dB
Gain (1.2V setting)	38 dB
Damping factor	>150
Input impedance	>10k, balanced or unbalanced
Maximum input level	
(3.9V setting)	12.28V (+24 dBu)
(1.2V setting)	3.88V (+14 dBu)
Amplifier and load protection	Short circuit, open circuit, thermal, RF protection. On/Off muting, DC fault shutdown, active inrush limiting, input current limiting
AC Power Input	Universal Power Supply 100 - 240 VAC, 50 - 60 Hz
Controls and Indicators (front)	Power • Channel MUTE Buttons • Channel SELECT Buttons • Channel Input Signal and CLIP LED Indicators •Channel Output

	and LIMIT LED Meters • HOME, ENTER, EXIT, GAIN Navigation Buttons • Control Knob	
Input Connectors	3-pin Euroblock x 4 nos	
Output Connectors	2-pin Euroblock Speaker x 4 nos	
Power Specifications		
4 Independent Channels A, B, C, D	(a) 8Ω : Peak 900W, Continuous 625W (a) 4Ω : Peak 1400W, Continuous 625W (a) 2Ω : Peak 1200W, Continuous 625W or please specify	
2 Channel BTL Bridged A+B or C+D Doubles Voltage	 @ 8Ω : Peak 2400W, Continuous 1250W or please specify 	
2 Channel Parallel AB or CD Doubles Current	(a) 8Ω : Peak 1200W, Continuous 1150W (a) 4Ω : Peak 2000W, Continuous 1250W (a) 2Ω : Peak 2500W, Continuous 1250W or please specify	
1 Channel 3CH Parallel ABC Triples Current	 @ 8Ω : Peak 1400W, Continuous 1150W @ 4Ω : Peak 2400W, Continuous 2000W 	

 @ 2Ω : Peak 3500W, Continuous 2500W or please specify 			
(a) 8Ω : Peak 3500W, Continuous 3000W (a) 4Ω : Peak 5000W, Continuous 2500W or please specify			
Should have 20 Factory Preset configurations that can be modified and stored in the 50 User Presets or moreShould have the Full function onboard loudspeaker processing DSP with Crossover and Parametric EQ Filters, Limiting and Alignment Delay eliminate			
	Continuous 2500W or please specify(a) 8Ω : Peak 3500W, Continuous 3000W (a) 4Ω : Peak 5000W, Continuous 2500W or please specify(a) 8Ω : Peak 1400W, Continuous 1150W (a) 4Ω : Peak 3000W, Continuous 2500W (a) 2Ω : Peak 5000W, Continuous 2500W (continuous 2500W) or please specifyShould have 20 Factory Preset configurations that can be modified and stored in the 50 User Presets or moreShould have the Full function onboard loudspeaker processing DSP with Crossover and Parametric EQ Filters, Limiting	Continuous 2500W or please specify(a) 8Ω : Peak 3500W, Continuous 3000W (a) 4Ω : Peak 5000W, Continuous 2500W or please specify(a) 8Ω : Peak 1400W, Continuous 1150W (a) 4Ω : Peak 3000W, Continuous 2500W (a) 2Ω : Peak 3000W, Continuous 2500W (a) 2Ω : Peak 5000W, Continuous 2500W (continuous 2500W) (continuous 2500W	Continuous 2500W or please specify $(@ 8\Omega : Peak 3500W,$ Continuous 3000W $(@ 4\Omega : Peak 5000W,$ Continuous 2500W or please specify $(@ 8\Omega : Peak 1400W,$ Continuous 1150W $(@ 4\Omega : Peak 3000W,$ Continuous 2500W $(@ 2\Omega : Peak 5000W,$ Continuous 2500W or please specifyShould have 20 Factory Preset configurations that can be modified and stored in the 50 User Presets or moreShould have the Full function onboard loudspeaker processing DSP with Crossover and Parametric EQ Filters, Limiting and Alignment Delay eliminate the need for outboard

	Should have the Flexible Amplifier Summing Technology [™] (FAST) drives most any loudspeaker system or configuration by distributing total amplifier power across one, two, three or all four channels			
	Should have an Integrated front panel with channel Select and			
	Mute buttons, Input and Output			
	LED Metering, 400x240 LCD,			
	intuitive navigation buttons,			
	LED power button and indicator, and cast aluminum handles			
Warranty	5 Years or Better (Please Specify)			
	Specify)			
2 Channel Professional Power	r Amplifier			
Make	Please Specify	_		
Model	Please Specify			
Country of Origin	Please Specify			
Country of Manufacturer	Please Specify			

	Specifications	
	8Ω dynamic, both channels driven	600 watts per channel
	4Ω dynamic, both channels driven	800 watts per channel
1.6	8Ω continuous, both channels driven	400 watts per channel
	4Ω continuous, both channels driven	600 watts per channel
	Distortion (typical) 1 kHz at full rated power	<1% THD
	Signal to Noise (A weighted, 20 Hz–20 kHz)	100 dB or better
	Input Sensitivity	1.2 Vrms, 3.9 Vrms
	Maximum Voltage Gain	33 dB
	Output Circuitry	Class D
	Power Requirements	- 100 V AC: 3.4 A - 120 V AC: 2.9 A - 230 V AC: 1.6 A
	Frequency Response (20 Hz–20 kHz)	+0.7 dB, -0.8 dB
	Dynamic Headroom (4Ω)	1.5 dB or better
	Damping Factor (8Ω)	100 or better
	Input Impedance	20 k Ω (balanced), 10 k Ω (unbalanced) or better
	Maximum Input Level	+23.5 dBu or better
	Input Connectors (each channel)	3-pin XLR/F / 1/4-inch TRS, balanced

1	

Output Connectors (each channel)	NL4, binding posts NL4 pinout: • Channel A on 1+, 1-; Channel B on 2+, 2- •Channel B on 1+, 1-		
Amplifier and Load Protection	Short circuit, open circuit, thermal, RF protection Load protected against DC faults		
Front Panel Controls and Indicators	2 × Rotary Encoders 3 × Operational buttons (HOME, ENTER, EXIT) 2 × Green Signal LEDs indicate signal presence 2 × Red A/D Clip LEDs indicate input over-drive and/or amplifier current clipping Blue Power LED ring indicates AC on 2.12-inch × 1.0-inch, 256 × 128 pixel LCD		

DSP Functions	High-pass filter, 4th-order Linkwitz-Riley, adjustable frequency 20 Hz to 4 kHz Low-pass filter, 4th-order Linkwitz-Riley, adjustable frequency 60 Hz to 4 kHz 4-band parametric EQ with variable frequency, gain, and bandwidth Peak limiter with power, aggressiveness, and impedance selection Delay 50 msec max.		
Other Features	Should have the Digital limiting automatically protects the amplifier from damage due to temperature rise or overdrive		

		Should be able to Adjust speaker protection to match your loudspeaker's power and impedance				
	Warranty	5 Years or Better (Please Specify)				
2	Server with Non DCi to 2K DCP (Digital Cinema Package) player with life time license	(assembled server accepted)				
	Make	Please Specify				
	Model	Please Specify				
	Country of Origin	Please Specify				
	Country of Manufacturer	Please Specify				
	Software Features		-			
	Interop and SMPTE DCP Support		-			
	Real time XYZ to RGB Color Conversion			_		
	Real time, full frame rate Playback			_		
	Adjustable Quality Settings					
	Adjustable resolution levels		-			
	Synchronized audio playback					
	reads JPEG 2000 Sequences					
	Play back of Encrypted DCPs (accepts KDM for key delivery)					

	Full 2K decoding and projection	
	Playlist Support	
	Accurate colors with ICC Profiles	
	Public Screening	
	Digital Masking and Scaling	
	DCP and MXF Structure inspection DCP asset hash check	
	Warranty	Please Specify
	License required for life time	
3	10KVAUPS	
	Make	Please Specify
	Model	Please Specify
	Country of Origin	Please Specify
	Country of Manufacturer	Please Specify
	Rated Power	10KVA/8KW
	Input	
	Normal Voltage Range	220VAC
	Voltage Range	120-275VAC
	Frequency Range	46 - 54Hz
	Power Factor	0.99
	Connector	Harwired
	Output	

1	I	
L	1	

Voltage	$230VAC \pm 1\%$
Frequency	50Hz ± 0.1% (Battery Mode)
Wave Form	Sine Wave
Power Factor	0.8
Voltage Distrotion	2% Under Linear load
Overload Capability	105% ~ 130% for 10min; 30% for 1 min
Current Crest Ratio	3.1 max
Connection	Hardwired
Battery	
Туре	Sealed, Maintenance free, Lead-Acid
AH/PCS	12V/7 2AH* 16PCS
KVA Back up time	5mins / 12mins
KVAS Backup time	Depends on the capacity of the external battery bank
Recharge Time	8 Hours to 90% of Capacity after full load discharge
Transfer Time	Oms

	1	l

	Control Panel			
	LCD Display	Input Voltage, Output Voltage, Battery Voltage, Battery Current, Output Frequency, Battery Charge Level, UPS Power, Load Percent, Synchron Case, Communication systems fault info.		
	LED	Load on Bypass, Load on UPS, Alarm and operation by battery leds		
	Bypass	Alarm beeps every two minutes		
	Battery Discharge	Alarm beeps every four seconds, every second if battery low		
	Overload	Alarm Beeps two times for every second		
	Fault	Alarm beeps continuously		
	Acoustic Noise	55db		
	Warranty	Please Specify		
4	Blueray Player			
	Make	Please Specify		
	Model	Please Specify		

Country of Origin	Please Specify	
Country of Manufacturer	Please Specify	
Playback Capability	DISC BD-ROM/BD-R (DL)/BD-RE (DL)/BD-R LTH, CD (CD-DA), CD-R / -RW, DVD+R, DVD+R Double Layer, DVD+RW, DVD-Audio, DVD-R, DVD-R Dual Layer, DVD-RW, DVD-Video, SA-CD (SA-CD / CD) Playback, Stereoscopic 3D (profile 5), Ultra HD Blu- ray	
	VIDEO FORMATAVCHD Disc Format,Motion JPEG (.mov, .avi),MPEG-1 Video / PS (.mpg.MPEG, .mkv) .VOB,.VRO, MPEG-2 Video /PS, TS (.mpg.MPEG,.m2ts, .mts, .mkv) .VOB,.VRO, MPEG-4 / AVC	

	(.mov, 3gp, .3g2, .3gpp, .3gpp2, .flv), MPEG-4 AVC (.mkv, .mp4, .m4v, .m2ts, .mts), VC1 (.m2ts,
	.mts, .mkv), WMV9 (.wmv, .asf, .mkv), Xvid
	(.avi, .mkv) AUDIO FORMAT AAC (.AAC, .mka), AIFF
	(.aiff, .aif), ALAC (.m4a), Dolby Digital (.ac3, .mka), DSD - DSDIFF / DSD
	(.dff, .dsf), FLAC (.flac, .fla), HEAAC v.1 / v.2 / level2, LP cm (.mka),
	Vorbis, WMA10 Pro, WMA9 Standard (.WMA)
	PHOTO FORMAT BMP (.bmp), GIF (.gif), JPEG (.jpg, .jpeg), MPO MPF 3D (.mpo), PNG (.png)
Picture and Audio Features	PICTURE FEATURE 24p True Cinema, , HDR → SDR converter, Deep colour (12bit), 4K Upscale (60p) or better

	Should have CERTIFIED HI-RES AUDIO Should be compatible for Dolby Atmos / Dolby True HD decoding (7.1Ch) Should be DTS:X(bitstream out)/DTS decoding (7.1ch) Should have DSEE-HX Should have Bluetooth TX, LDAC		
Network	WI-FI® BUILT IN (2.4GHz, 5GHz) should have DMP (Digital Media Player), DMR (Digital Media Renderer), and should be able to Screen mirroring (Wi-Fi Miracast) Should have 3D Streaming, 4K streaming, Live Streaming		

	Terminals		INPUT AND OUTPUT Coaxial Audio Output (s): 1 (Rear), Ethernet Connection (s): 1 (Rear), HDMI Output (s): 2 (Rear), USB Input (s): 1 (Front)		
	Convenience Features		Auto Power Off (Auto Stand-by), BRAVIA Sync, Child Lock, Parental Control Should come with a Remort Controller		
	Warranty		Please Specify		
5	Mounting rack for equipmen	nt	19" U 42 open wall rack		
6	Supply and Installation of L DLP Multi Media Projector				
	Make	Please Specify			
	Model	Please Specify			

Country of Origin	Please Specify
Country of Manufacturer	Please Specify
Projection System	3LCD Technology
LCD Panel	0.76 inch with C2 Fine
Color Light Output	7,000 Lumen- 5,600 Lumen (economy)
White Light Output	7,000 Lumen - 5,600 Lumen (economy
Portrait Colour Light Output	5,600 lm or better
Portrait White Light Output	5,600 lm or better
Resolution	WUXGA, 1920 x 1200, 16:10
High Definition	4K enhancement
Aspect Ratio	16:10
Contrast Ratio	50,000 : 1
Native Contrast	2,000 : 1
Lamp	400 W, 3,000 h durability, 4,000 h durability (economy mode)
Lamp (portrait mode)	400 Watt, 2,000 hours Durability
Keystone Correction	Manual vertical: \pm 45 °, Manual horizontal \pm 30 °
Colour Video Processing	10 Bits
Colour Reproduction	Upto 1.07 billion colours
Throw Ratio	1.44 - 2.33:1
Zoom	Motorized, Factor: 1 - 1.6

		1
	<u> </u>	
1	1	I

Lens Shift	Motorized - Vertical \pm 67 %, horizontal \pm 30 %
Lens position memory	10 positions
Screen Size	50 inches - 300 inches
Projection Distance Wide	1.5 m - 9.4 m (50 inch screen)
Projection Distance Tele	2.5 m - 15.1 m (50 inch screen)
Projection Lens F Number	1.7 - 2.3
Projection Lens Focal Length	24 mm - 38.2 mm
Projection Lens Focus	Motorized
Interchangeable Lens	Yes
Interfaces	USB 2.0 Type A, USB 2.0 Type B (Service Only), RS-232C, Wired Network, Wireless LAN IEEE 802.11a/b/g/n (optional), VGA in, VGA out, DVI in, BNC in, HDBaseT, Stereo mini jack audio out, Stereo mini jack audio in (3x), HDMI (HDCP 2.2)
Security	Kensington lock, Control panel lock, Password protection
Other features	4K enhancement, Built-in speaker, Document Camera Compatible, Lens position memory
Video Color Modes	Cinema, Dynamic, sRGB, DICOM SIM, Multi Projection
Projector control	via: AMX, Crestron, Control4
Power consumption	570 Watt, 470 Watt (economy), 1 Watt (standby) or Specify
Supply Voltage	AC 100 V - 240 V, 50 Hz - 60 Hz
Product dimensions	Please Specify

	Product weight	Please Specify] Г		
	Noise Level		(A) - Economy: 31 dB (A) nt OFF)			
	Zooming Lens	Should Visit the	site and propose accordingly			
	Warranty	Please Specify				
	Supply and Installatio	n of 26 v 14 foot Silver	Screen with Screen Frame			
7						
	Size		26 x 14			
	Туре		Silver (3D) Prism			
	Gain		2.4 or Higher			
	Material		SLS Standed Gi pipe 1 4/1 2mm			
	Warranty		Please Specify	-		
8	Heavy duty 13 volts' se extension codes	quare pin power	5 way or higher			
9	1500VA Stabilizer					
	Power:		1500VA			
	Input voltage:		150-260V (1P) /120V- 260V			
	Output voltage:		220V			
	Stabilization accuracy:		220V±3%			
	Frequency:		50Hz/60Hz			

Overload power factor:	0.8] [
Efficiency:	>90%	1		
Voltage over voltage:	246+4V	-		
		11		
Installation Required				
All the materials used for installation should be				
durable, long lasting and quality products.				
Installation charges (kindly provide the item				
breakdown of installation materials).				
Other relevant documents				
Manufacturer Authorization letters should be				
attached for each brand you quote.				
Original catalogs should be attached to prove				
the each line of the specification.				
Experience				
Vendors Should have more than five years'				
experience in the relevant field.				
Bidder's Eligibility Requirements]		
Bidder should have well trained & qualified				
technical staff with service center.				
Bidder should provide at least 3 Nos of				
customer details (customer name, contact no,				
address, contact person).		╡		
The bidder may require to make a presentation if needed.				
Drawings are attached for the reference.				

4. Drawings

These Bidding Documents includes [insert "the following" or "no"] drawings. [If documents shall be included, insert the following List of Drawings]

List of Drawings						
Drawing Nr.	Drawing Name	Purpose				

5. Inspections and Tests

The following inspections and tests shall be performed: [insert list of inspections and tests if any]

Section VII. Contract Data

The following Contract Data shall supplement and / or amend the Conditions of Contract (CC). Whenever there is a conflict, the provisions herein shall prevail over those in the CC.

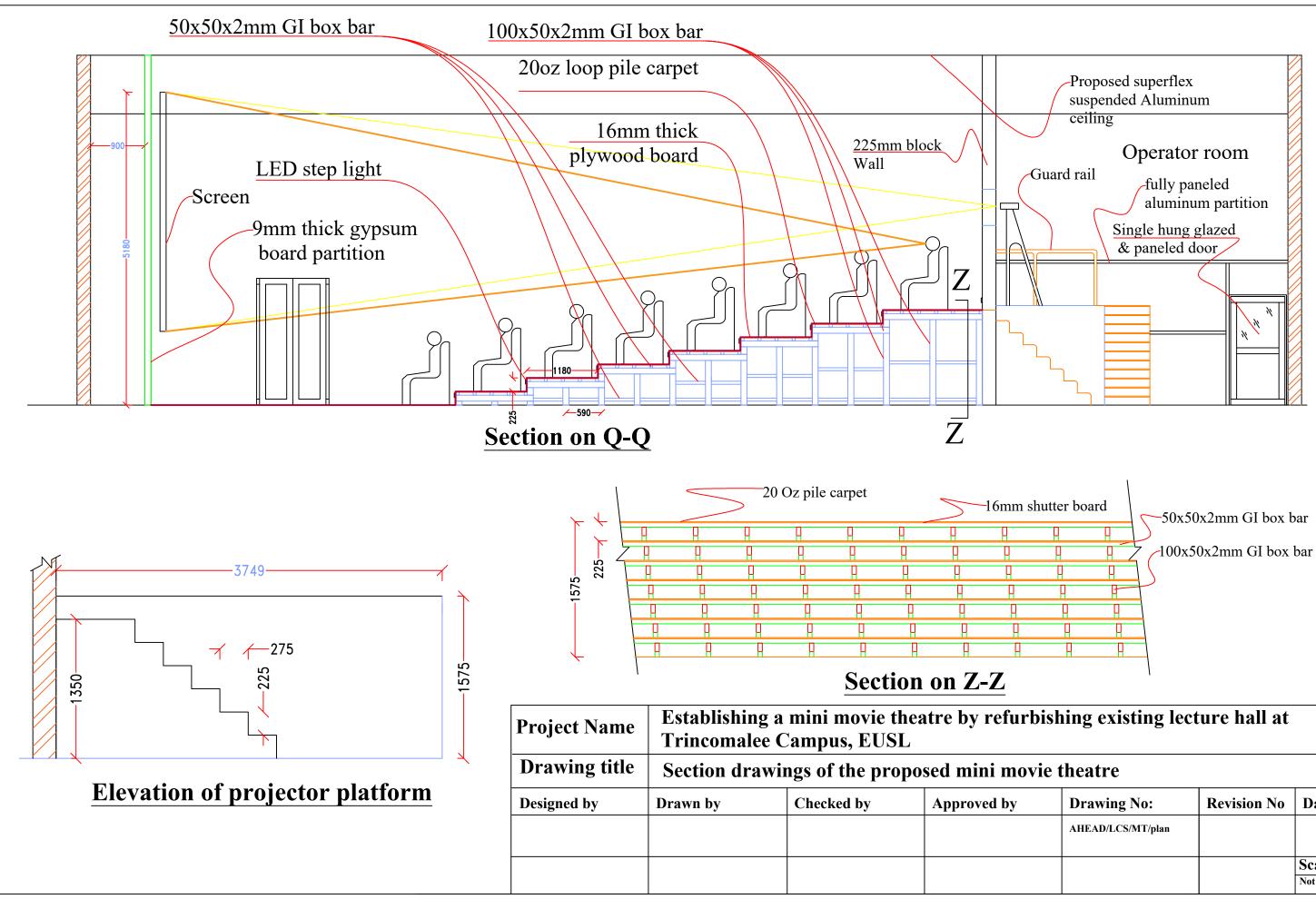
CC 1.1(i)	The Purchaser is: The Vice-Chancellor, Eastern University, Sri Lanka
CC 1.1 (m)	The Project Site(s)/Final Destination(s) is/are: Trincomalee campus. Nilaveli Konesapuri
CC 8.1	For <u>notices</u> , the Purchaser's address shall be:
	Deputy Director/Procurement, OTS/AHEAD Project, Eastern University, Sri Lanka, Vantharumoolai, Chenkalady E-mail : ddp_ots@esn.ac.lk Tp. No : 0652059393
CC 12.1	Details of Shipping and other Documents to be furnished by the Supplier are required.
CC 15.1	The method and conditions of payment to be made to the Supplier under this Contract shall be as follows:A: For Goods offered within Sri Lanka Payment shall be made in Sri Lanka Rupees within thirty (30) days of presentation of claim supported by a certificate from the Purchaser declaring that the Goods have been delivered installed and properly commissioning with the appraisal report of end users that all other contracted Services have been performed.
CC 17.1	A Performance Security: should be submitted within Two week of PO date for validity period of 120 Days (Beneficiary: The Vice Chancellor, Eastern University, Sri Lanka, Bond value: 10% of the total PO Value, from Any bank registered in Sri Lanka.
CC 25.1	The inspections and tests shall be ¹⁴ : required on all component & Services includes use acceptance test at the premises of the EUSL.
CC 25.2	The Inspections and tests shall be conducted by a team appointed by the EUSL
CC 26.1	The liquidated damage shall be 1 % per week from the Contract Price
CC 26.1	The maximum amount of liquidated damages shall be 10 %

Check List

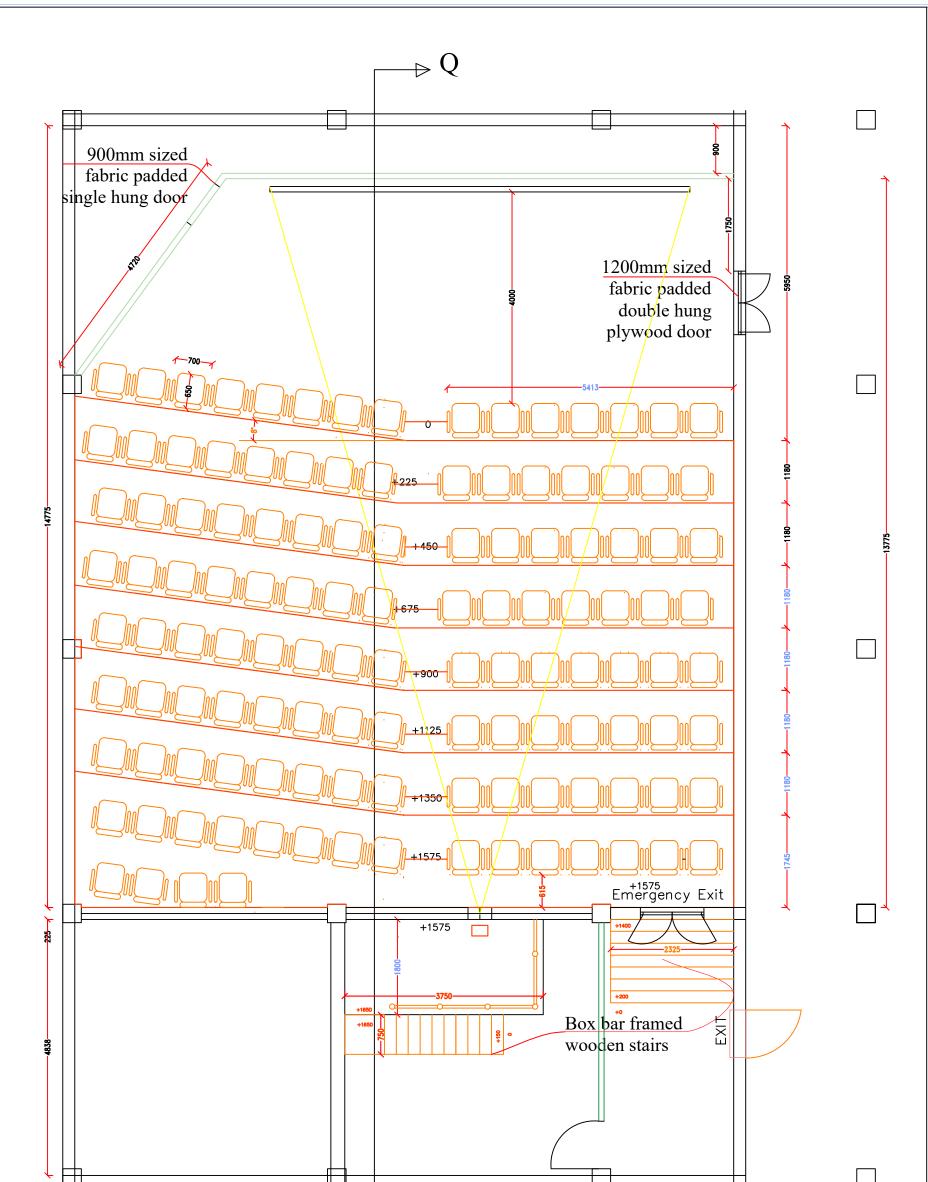
	Required Specification	Bidder's Offer					
No		Conformity		Daga No	Remark		
		Yes	No	Page No	Keinai K		
1	Company Profile						
2	Business Registration						
3	VAT Registration						
4	List of Clients						
5	Past experience in the field						
6	Manufacturer Authorization						
7	Bid Security						
8	Forms of Bids						
9	Price Schedule						
10	Tender Fee						
11	Financial Statement						
Statu	IS						

"Check list must be filled by the Bidder"

Annexure (For additional Information)



theatre	neatre				
Drawing No:	Revision No	Date			
AHEAD/LCS/MT/plan					
		Scale			
		Not in scale			



			$\rightarrow Q$			
		PLA	N			
Project Name		ng a mini movie tl ee Campus, EUSI	 V 	ishing existing le	cture hall at	
	IIIIcomun	ce campus, 2001				
Drawing title		of the proposed n		re		
Drawing title Designed by		A '		re Drawing No:	Revision No	Date
	Plan view o	of the proposed n	nini movie theat		Revision No	Date
	Plan view o	of the proposed n	nini movie theat	Drawing No:	Revision No	Date Scale

