



University of Ruhuna
Wellamadama
Matara

10.08.2022

The Manager,
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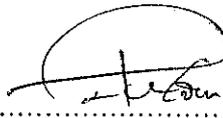
Invitation for Bids (IFB)

Contract: Supply, Delivery, Installation, Commissioning and Testing of Audio Visual Equipment for Department of Management & Finance, University of Ruhuna

IFB No - AHEAD/RA2/ELTA-ELSE/RUH/MGT/GOODS/2022/NS-211

The Chairman, Department Procurement Committee on behalf of the University of Ruhuna invites sealed bid from you for **Supply, Delivery, Installation, Commissioning and Testing of Audio Visual Equipment** indicated in the annexed bid document.

01. Bidding will be conducted through National Shopping method of procurement.
02. You may obtain further information if any from the **Deputy Director- Procurement (AHEAD Project)** Supplies Branch, University of Ruhuna, Wellamadama, Matara. (T.P 041- 2227027/ Fax No. 041 – 2227027)
03. Bids must be delivered by mail in sealed envelopes addressed to **Director/OTS, AHEAD Project-OTS Office, University of Ruhuna, Wellamadama, Matara** before **02.00 p.m. on August 24, 2022**. Late bids will be rejected.
04. This contract is subject to,
 - Providing of performance security of 10% of the total contract price in accordance with the format attached and issued with this in favor of the Vice Chancellor, University of Ruhuna.
 - Entering in to the formal agreement with the University of Ruhuna.


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10/08/2022

Deputy Director - Procurements,
University of Ruhuna,
Wellamadama,
Matara.



UNIVERSITY OF RUHUNA

**PROCUREMENT OF GOODS UNDER
NATIONAL SHOPPING PROCEDURES**

**INVITATION FOR QUOTATIONS
FOR**

**Supply, Delivery, Installation, Commissioning and Testing of
Audio Visual Equipment for Department of Management & Finance,
University of Ruhuna**

IFB No - AHEAD/RA2/ELTA-ELSE/RUH/MGT/GOODS/2022/NS-211

Section I. Instructions to Vendors (ITV)

A: General	
1. Scope of Bid	1.1 The Purchaser named in the Data Sheet invites you to submit a quotation for the supply of Goods as specified in Section III Schedule of Requirements.
B: Contents of Documents	
2. Contents of Documents	<p>2.1 The documents consist of the Sections indicated below.</p> <ul style="list-style-type: none"> • Section I. Instructions to Vendors (ITV) • Section II. Data Sheet • Section III. Schedule of Requirements • Section IV. Technical Specifications & Compliance with Specifications with price schedule • Section V. Quotation submission Form(s)
C: Preparation of Quotation	
3. Documents Comprising your Quotation	<p>3.1 The Quotation shall comprise the following:</p> <ul style="list-style-type: none"> (a) Quotation Submission Form and the Price Schedules; (b) Technical Specifications & Compliance with Specifications
4. Quotation Submission Form and Price Schedules	<p>4.1 The vendor shall submit the Quotation Submission Form using the form furnished in Section V. This form must be completed without any alterations to its format, and no substitutes shall be accepted. All blank spaces shall be filled in with the information requested.</p> <p>4.2 Alternative offers shall not be considered. The vendors are advised not to quote different options for the same item but furnish the most competitive among the options available to the bidder.</p>
5. Prices and Discounts	<p>5.1 Unless specifically stated in Data Sheet, all items must be priced separately in the Price Schedules.</p> <p>5.2 The price to be quoted in the Quotation Submission Form shall be the total price of the Quotation, including any discounts offered.</p>

	<p>5.3 The applicable VAT shall be indicated separately.</p> <p>5.4 Prices quoted by the vendor shall be fixed during the vendor's performance of the Contract and not subject to variation on any account. A Quotation submitted with adjustable price shall be treated as nonresponsive and may be rejected.</p>
6. Currency	6.1 The vendors shall quote only in Sri Lanka Rupees.
7. Documents to Establish the Conformity of the Goods	<p>7.1 The vendor shall furnish as part of its quotation the documentary evidence that the Goods conform to the technical specifications and standards specified in Section IV, "Technical Specifications & Compliance with Specifications".</p> <p>7.2 The documentary evidence may be in the form of literature, drawings or data, and shall consist of a detailed item by item description of the essential technical and performance characteristics of the Goods, demonstrating substantial responsiveness of the Goods to the technical specifications, and if applicable, a statement of deviations and exceptions to the provisions of the Technical Specifications given.</p> <p>7.3 If stated in the Data Sheet the vendor shall submit a certificate from the manufacturer to demonstrate that it has been duly authorized by the manufacturer or producer of the Goods to supply these Goods in Sri Lanka.</p>
8. Period of Validity of quotation	8.1 Quotations shall remain valid for the period of sixty (60) days after the quotation submission deadline date.
9. Format and Signing of Quotation	9.1 The quotation shall be typed or written in indelible ink and shall be signed by a person duly authorized to sign on behalf of the vendor.
D: Submission and Opening of Quotation	
10. Submission of Quotation	<p>10.1 Vendors may submit their quotations by Registered post in sealed envelopes addressed to the Purchaser and bear the specific identification of the quotation number.</p> <p>10.2 If the quotation is not sealed and marked as required, the Purchaser will assume no responsibility for the misplacement or premature opening of the quotation.</p>
11. Deadline for Submission of Quotation	11.1 Quotation must be received by the Purchaser at the address set out in Section II, "Data Sheet", and not later than the date and time as specified in the Data Sheet.

12. Late Quotations	12.1 The Purchaser shall reject any quotation that arrives after the deadline for submission of quotations, in accordance with ITV Clause 11.1 above.
13. Opening of Quotations	13.1 The Purchaser shall conduct the opening of quotation in public at the address, date and time specified in the Data Sheet. 13.2 A representative of the bidders may be present and mark his attendance.
E: Evaluation and Comparison of Quotations	
14. Clarifications	14.1 To assist in the examination, evaluation and comparison of the quotations, the Purchaser may, at its discretion, ask any vendor for a clarification of his quotation. Any clarification submitted by a vendor in respect to his quotation which is not in response to a request by the Purchaser shall not be considered. 14.2 The Purchaser's request for clarification and the response shall be in writing.
15. Responsiveness of Quotations	15.1 The Purchaser will determine the responsiveness of the quotation to the documents based on the contents of the quotation received. 15.2 If a quotation is evaluated as not substantially responsive to the documents issued, it may be rejected by the Purchaser.
16. Evaluation of quotations	16.1 The Purchaser shall evaluate each quotation that has been determined, to be substantially responsive. 16.2 To evaluate a quotation, the Purchaser may consider the following: (a) the Price as quoted; (b) price adjustment for correction of arithmetical errors; (c) price adjustment due to discounts offered. 16.3 The Purchaser's evaluation of a quotation may require the consideration of other factors, in addition to the Price quoted if stated in Section II, Data Sheet. These factors may be related to the characteristics, performance, and terms and conditions of purchase of the Goods.

17. Purchaser's Right to Accept any Quotation, and to Reject any or all Quotations	17.1 The Purchaser reserves the right to accept or reject any quotation, and to annul the process and reject all quotations at any time prior to acceptance, without thereby incurring any liability to bidders.
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F: Award of Contract	
18. Acceptance of the Quotation	18.1 The Purchaser will accept the quotation of the vendor whose offer has been determined to be the lowest evaluated bid and is substantially responsive to the documents issued.
19. Notification of acceptance	19.1 Prior to the expiration of the period of validity of quotation, the Purchaser will notify the successful vendor, in writing, that his quotation has been accepted.
20. Signing of Contract	20.1 Within (14) days after notification, the Purchaser shall complete the Agreement, and in form the successful Bidder have to sign it. 20.2 Within fourteen (14) days of receipt of such information, the successful Bidder shall sign the Agreement.
21. Performance Security.	21.1 Within fourteen (14) days of the receipt of notification of award from the Purchaser, the successful Bidder is required furnish the Performance Security in accordance with the CC, using for that purpose the Performance Security Form included in Section VII contract forms, The Employer shall promptly notify the name of the winning Bidder to each unsuccessful Bidder and discharge the Bid Security of the unsuccessful bidders. 21.2 Failure of the successful Bidder to submit the above mentioned Performance Security or sign the contract shall constitute sufficient grounds for the annulment of the award and forfeiture of the Bid Security or execution of the Bid-Securing Declaration. In that event the Purchaser may award the Contract to the next lowest evaluated Bidder, whose offer is substantially responsive and is determined by the purchaser to be qualified to perform the contract satisfactorily.

Section II: Data Sheet

ITV Clause Reference	
1.1	The Purchaser is: Vice Chancellor Address : University of Ruhuna, Wellamadama Matara.
5.1	If the bidder is allowed to quote for lesser number of items than the total number of items specified, indicate the details.
7.3	Manufacturer's Authorization is required.
11.1	Address for submission of quotations is Director/ OTS, AHEAD Project, University of Ruhuna, Wellamadama, Matara. Deadline for submission of quotations is at 2.00 P.M on August 24, 2022.
13	The Quotations shall be opened at the following address: AHEAD PROJECT, OTS-Office, University of Ruhuna, Wellamadama, Matara.
16	Other factors that will be considered for evaluation are (List and describe the methodology):
Additional Clause	
17. Payment	Payment shall be made within eight weeks after receiving the invoice and other required documents to the Office for each item supplied.
19. Liquidated Damages	The supplier should deliver the items within the delivery period stipulated in the schedule of requirements. The supplier should make payment to the purchaser for each week of delay in delivery, at the rate of 0.5% of the contract sum per each week of delay, up to a maximum of 10% of the contract sum.
21. Performance Security	If required, the supplier should forward performance security of 10% of the total contract price. This should be issued in favor the Vice Chancellor, university of Ruhuna, valid for 365 days from the date of acceptance of the order.

Section III: Schedule of Requirements

Note:

1. Bidders a) May quote whole item.
2. Evaluation will be based on: a) separately.

Item No.	Brief Description of the Goods	Specification and Requirements	Quantity	Delivery Period	Bidder's offered Delivery Date
1.	Floor Microphone Stand	Annexure I	04	2 weeks	
2.	Microphone	Annexure II	05	2 weeks	
3.	Boom Microphone Pole	Annexure III	01	2 weeks	
4.	Microphone Wireless Set	Annexure IV	03	2 weeks	
5.	Microphone MIC Pack	Annexure V	01	2 weeks	
6.	Keyboard Stand	Annexure VI	02	2 weeks	
7.	Cable Mono to Mono 25M	Annexure VII	04	2 weeks	
8.	Cable MIS XLR Male to XLR Female 25M	Annexure VIII	05	2 weeks	
9.	Mixer 24CH Console	Annexure IX	01	2 weeks	
10.	Notation Stands	Annexure X	02	2 weeks	
11.	Speaker (Type 01)	Annexure XI	02	2 weeks	
12.	Speaker (Type 02) Professional Loudspeakers	Annexure XII	02	2 weeks	
13.	Amplifier	Annexure XIII	02	2 weeks	

Place of Delivery: Faculty of Management & Finance, University of Ruhuna, Wellamadama, Matara.

Section V

Quotation Submission Form

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

Date:

To:.....

[insert complete name of Purchaser]

We, the undersigned, declare that:

- (a) We have examined and have no reservations to the document issued;
- (b) We offer to supply in conformity with the documents issued and in accordance with the Delivery Schedules specified in the Schedule of Requirements, the following Goods [insert a brief description of the Goods];
- (c) The total price of our quotation including any discounts offered is: [insert the total quoted price in words and in figures];
- (d) Our quotation shall be valid for the period of time specified in ITV Sub-Clause 8.1, from the date fixed for the quotation submission deadline in accordance with ITV Sub-Clause 11.1, and it shall remain binding upon us and may be accepted at any time before the expiration of that period;
- (e) We understand that this quotation, together with your written acceptance thereof included in your notification of award, shall constitute a binding contract between us.
- (f) We understand that you are not bound to accept the lowest evaluated quotation or any other quotation that you may receive.

Signed:.....
[insert signature of Person whose name and capacity are shown]

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

Dated:

PRICE SCHEDULE –IV

Contract: Supply, Delivery, Installation, Commissioning and Testing of Collating Machine with Stapler for Department of Management & Finance, University of Ruhuna

IFB No - AHEAD/RA2/ELTA-ELSE/RUH/MGT/GOODS/2022/NS-210

Item No.	Description	Qty.	Unit Rate. (Without VAT) (Rs. & Cents)	VAT (Rs. & Cents)	Total Amount (With VAT) (Rs. & Cents)
1.	Floor Microphone Stand	04			
2.	Microphone	05			
3.	Boom Microphone Pole	01			
4.	Microphone Wireless Set	03			
5.	Microphone MIC Pack	01			
6.	Keyboard Stand	02			
7.	Cable Mono to Mono 25M	04			
8.	Cable MIS XLR Male to XLR Female 25M	05			
9.	Mixer 24CH Console	01			
10.	Notation Stands	02			
11.	Speaker (Type 01)	02			
12.	Speaker (Type 02) Professional Loudspeakers	02			
13.	Amplifier	02			

We agree to supply and delivery the above goods in accordance with the technical specifications for a total contract price of Rupees..... (amount in figures) (amount in words) within the period specified in the Invitation for Quotations.

We also confirm that the warrantee/guarantee specified shall apply to the offered goods.

.....
Signature of the Bidder **Name of the Bidder** **Date**

1) Technical Specification for Floor Microphone Stand – 04 NOS

Specifications	Requirements	Bidders Compliance	
		Yes/No	If "No" indicate your offer
Make	Please Specify		
Model	Please Specify		
Country of Origin	Europe/ U.S.A./ Japan or Equivalent (Please Specify)		
Country of Manufacture	Please Specify		
Material	Aluminum or Carbon Fiber (Please Specify)		
Item Weight	Please Specify		
Style	1 Pack		
Perfect mic positioning and optimal pickup and sound isolation for in-studio or onstage performances			
Durable construction, Sturdy, lightweight, and collapsible			
Variable height adjustment from 38.5" to 66" - 29 3/8" boom length (Please Specify)			
Base locking knob, Boom counterweight			
3/8" and 5/8" threaded mount (Please Specify)			
Warranty	1 Year or above Comprehensive (Please Specify)		

2) Technical Specification for Microphone – 05 NOS

Specifications	Requirements	Bidders Compliance	
		Yes/No	If "No" indicate your offer
Make	Please Specify		
Model	Please Specify		
Country of Origin	Europe/ U.S.A./ Japan or Equivalent (Please Specify)		
Country of Manufacture	Please Specify		
Polar Pattern	Super cardioid		
Frequency Bandwidth	80Hz to 15KHz (Please Specify)		
Sensitivity	-55dB \pm 3dB (0dB=1V/Pa at 1KHz) (Please Specify)		
Max SPL	124 dB (Please Specify)		
Impedance	600Ohms \pm 30%(1kHz) (Please Specify)		
Length	180 mm (Please Specify)		
Diameter	51 mm (Please Specify)		
Warranty	3 Years Comprehensive (Please Specify)		

3) Technical Specification for Boom Microphone Pole – 01 NOS

Specifications	Requirements	Bidders Compliance	
		Yes/No	If "No" indicate your offer
Make	Please Specify		
Model	Please Specify		
Country of Origin	Europe/ U.S.A./ Japan or Equivalent (Please Specify)		
Country of Manufacture	Please Specify		
Color	Black		
Number of Batteries	Product Specific batteries required		
Item Weight	Please Specify		
Material	Aluminum (Please Specify)		
Number of Channels	01 (Please Specify)		
Warranty	3 Years Comprehensive (Please Specify)		

4) Technical Specification for Microphone - Wireless Set – 03 NOS

Specifications	Requirements	Bidders Compliance	
		Yes/No	If "No" indicate your offer
Make	Please Specify		
Model	Please Specify		
Country of Origin	Europe/ U.S.A./ Japan or Equivalent (Please Specify)		
Country of Manufacture	Please Specify		
Product Composition	Wireless Transmitter x 1		
	Receiver x 1		
	Lavalier Microphone x 1		
Frequency Range	694 - 806 MHz (*1), UHF (Please Specify)		
Channel Selectable	4 channels (Please Specify)		
Tunable Frequencies	25 kHz Steps (Please Specify)		
Pilot Tone	32.768 kHz (Please Specify)		
Total Harmonic Distortion	<1% @ 1kHz (Please Specify)		
Function	IR sync, Channel scan, Battery Indicator		
Accessory	AC adapter x 1		
	Screw Driver x 1		
Warranty	3 Years Comprehensive (Please Specify)		

5) Technical Specification for Microphone - Mic Pack – 01 NOS

Specifications	Requirements	Bidders Compliance	
		Yes/No	If "No" indicate your offer
Make	Please Specify		
Model	Please Specify		
Country of Origin	Europe/ U.S.A./ Japan or Equivalent (Please Specify)		
Country of Manufacture	Please Specify		
Colour	Black		
Compatible Devices	Amplifier		
Polar Pattern	Unidirectional		
Material	Brass		
Convenient and tender design. Hard-shell carry case against microphone damage <1% @ 1kHz (Please Specify)			
TXB-7M : 1 TX-2 and 4 TX-6, 2 TX-9 IR sync, Channel scan, Battery Indicator (Please Specify)			
Warranty	3 Years Comprehensive (Please Specify)		

6) Technical Specification for Key Board Stand – 02 NOS

Specifications	Requirements	Bidders Compliance	
		Yes/No	If "No" indicate your offer
Make	Please Specify		
Model	Please Specify		
Country of Origin	Europe/ U.S.A./ Japan or Equivalent (Please Specify)		
Country of Manufacture	Please Specify		
Item Weight	16.57 pounds (Approx.) (Please Specify)		
Product Dimensions	23.62 x 15.75 x 22.32 inches (Approx.) (Please Specify)		
Color Name	Black		
Size	Z-style Folding (Please Specify)		
Warranty	3 Years Comprehensive (Please Specify)		

Ms. D. V. L. Krishani
 Deputy Director - Procurement
 Operations Technical Secretariat
 AHEAD Project
 University of Ruhuna
 Wellamada, Matara.

7) Technical Specification for Cable Mono to Mono 25m – 04 NOS

Specifications	Requirements	Bidders Compliance	
		Yes/No	If "No" indicate your offer
Make	Please Specify		
Model	Please Specify		
Country of Origin	Europe/ U.S.A./ Japan or Equivalent (Please Specify)		
Country of Manufacture	Please Specify		
Connector Type	Auxiliary		
Cable Type	AUX		
Compatible Devices	Charging Adapter		
Connector Gender	Male-to-Male		
	Nickel plated connectors resist corrosion and ensure optimum sound quality. Oxygen-free copper, transmission sensitive effect and durability enhanced. (Please Specify)		
	Compatible with standard 6.35mm (6.5 mm) plug converter. E. g 6.35mm female to 3.5mm male adapter, its apply to touch electric guitar with speaker of 3.5 mm standard interface to instead of 6.35mm to 3.5mm male audio cable, 6.35mm input, 3.5mm output. (Please Specify)		
	The 6.35mm (1/4 inch) male to male stereo mono AUX cord is used to touch with standard 6.35 mm port devices, such as mixer, electric guitar (patch cords), power amplifier, HiFi stereo loudspeaker or other acoustics systems for fancier. Support as a record line, not input or output. (Please Specify)		
Warranty	3 Years Comprehensive (Please Specify)		

8) Technical Specification for Cable MIS XLR Male to XLR Female – 05 NOS

Specifications	Requirements	Bidders Compliance	
		Yes/No	If "No" indicate your offer
Make	Please Specify		
Model	Please Specify		
Country of Origin	Europe/ U.S.A./ Japan or Equivalent (Please Specify)		
Country of Manufacture	Please Specify		
Connector Type	XLR		
Cable Type	XLR		
Compatible Devices	Speaker		
Colour	Separate Color or Please Specify		
	Professional series XLR plugs, designed for equipment with 3-pin XLR connectors such as shotgun microphones, studio harmonizers, mixing boards, patch bays, preamps, speaker systems, and stage lighting. (Please Specify)		
	Balanced Mic cable with soft PVC jacket, strong and durable, good thick, but flexible. (Please Specify)		
	The Housing for high strength zinc alloy die-casting polished black spray paint, attractive and durable		
	Foil shielded and Metal braided shield make the sound quality undisturbed by external signals. This mic cord will be a good choice when used with audio equipment in a radio station environment. (Please Specify)		
	High quality noise free performance, locks with lifetime warranty. (Please Specify)		
Warranty	3 Years Comprehensive (Please Specify)		

9) Technical Specification for MIXER 24CH CONSOLE – 01 NOS

Specifications	Requirements	Bidders Compliance	
		Yes/No	If "No" indicate your offer
Make	Please Specify		
Model	Please Specify		
Country of Origin	Europe/ U.S.A./ Japan or Equivalent (Please Specify)		
Country of Manufacture	Please Specify		
24 input channels (Please Specify)			
48v phantom power switched in blocks of four (Please Specify)			
1/4" line input jack for balanced or unbalanced instruments (Please Specify)			
GB30 padless mic preamp provides up to +15dBu input capability (Please Specify)			
18dB per octave highpass filter straight after preamp (Please Specify)			
Pre-fade, pre-EQ (but post highpass filter) insert point (Please Specify)			
Direct outputs on all but the last 8 channels (Please Specify)			
Premium mic pres (Please Specify)			
Enhanced, switching EQ section (Please Specify)			
6 flexible aux sends (Please Specify)			
Pre-fader, post-EQ soloing (Please Specify)			
LED doubles as a peak indicator (Please Specify)			
Stereo input section (Please Specify)			
Warranty	3 Years Comprehensive (Please Specify)		

10) Technical Specification for Notation Stand – 02 NOS

Specifications	Requirements	Bidders Compliance	
		Yes/No	If "No" indicate your offer
Make	Please Specify		
Model	Please Specify		
Country of Origin	Europe/ U.S.A./ Japan or Equivalent (Please Specify)		
Country of Manufacture	Please Specify		
Batteries Required	No		
Item Weight	Below 5Kg (Please Specify)		
Warranty	3 Years Comprehensive (Please Specify)		

Mr. D. V. L. Yirgonani
 Deputy Director - Procurement
 Operations Technical Secretariat
 AHEAD Project
 University Of Ruhuna
 Wellamadama, Matara.

11) Technical Specification for Speaker (Type 01) – 02 NOS

Specifications	Requirements	Bidders Compliance	
		Yes/No	If "No" indicate your offer
Make	Please Specify		
Model	Please Specify		
Country of Origin	Europe/ U.S.A./ Japan or Equivalent (Please Specify)		
Country of Manufacture	Please Specify		
Frequency Range	35 Hz – 250 Hz (Please Specify)		
Frequency Response	52 Hz – 120 Hz (Please Specify)		
System Sensitivity	95 dB SPL (1w@1m) (Please Specify)		
Power Rating, Pink Noise	800 W / 1600 W / 3200 W(Continuous/Program/Peak) (Please Specify)		
Maximum SPL (1m)	130 dB SPL peak (Please Specify)		
Nominal Impedance	8 ohms (Please Specify)		
Dimensions (H x W x D)	678 mm x 536 mm x 615 mm (26.7" x 21.1" x 24.2") Approx. (Please Specify)		
Net Weight	36 kg (79 lbs.) Approx. (Please Specify)		
Inputs	Two Neutrik® Speakon® NL-2 / ¼" TS phone combo jacks (Please Specify)		
Enclosure	Duraflex coated plywood (Please Specify)		
Warranty	3 Years Comprehensive (Please Specify)		

12) Technical Specification for Speaker (Type 02) [Professional Loudspeakers] – 02 NOS

Specifications	Requirements	Bidders Compliance	
		Yes/No	If "No" indicate your offer
Make	Please Specify		
Model	Please Specify		
Country of Origin	Europe/ U.S.A./ Japan or Equivalent (Please Specify)		
Country of Manufacture	Please Specify		
Frequency Range (-10dB)	50 Hz – 20 kHz (Please Specify)		
Frequency Response (±3 dB)	62 Hz – 19 kHz (Please Specify)		
Coverage Pattern	90° x 50° nominal (Please Specify)		
System Sensitivity	95 dB SPL (1w@1m) (Please Specify)		
Power Rating, Pink Noise	300 W / 600 W / 1200 W(Continuous/Program/Peak) (Please Specify)		
Maximum SPL (1m)	126 dB SPL peak (Please Specify)		
Nominal Impedance	8 ohms (Please Specify)		
Dimensions (H x W x D)	574 mm x 353 mm x 399 mm (22.6 in x 13.9 in x 15.7 in) Approx. (Please Specify)		
Net Weight	16 kg (35 lbs.) Approx. (Please Specify)		
Inputs	Parallel Neutrik® Speakon® NL-2 / ¼" phone combo jacks (Please Specify)		
Enclosure	Duraflex coated plywood (Please Specify)		
Warranty	3 Years Comprehensive (Please Specify)		

13) Technical Specification for Amplifier – 02 NOS

Specifications	Requirements	Bidders Compliance	
		Yes/No	If "No" indicate your offer
Make	Please Specify		
Model	Please Specify		
Country of Origin	Europe/ U.S.A./ Japan or Equivalent (Please Specify)		
Country of Manufacture	Please Specify		
Frequency Response	20 Hz - 20 kHz, +0/-1 dB (at 1 watt) (Please Specify)		
THD	<0.5%, 20 Hz - 20 kHz (Please Specify)		
Intermodulation Distortion	=/ <0.35% (60 Hz and 7 kHz at 4:1 from full rated output to -30 dB) (Please Specify)		
Slew Rate	>10V/us (Please Specify)		
Voltage Gain	33 dB (Please Specify)		
Damping Factor	(8 ohms, 10 Hz to 400 Hz) >200 (Please Specify)		
Signal To Noise Ratio (A-weighted)	>100 dB (Please Specify)		
Crosstalk (below rated power) 20 Hz to 1 kHz	-75 dB, -59 dB (Please Specify)		
Input Sensitivity	(for full rated power at 8 ohms) 0.775V or 1.4V (Please Specify)		
Input Impedance (nominal balanced, unbalanced)	20kΩ, 10kΩ (Please Specify)		
AC Line Voltage and Frequency Configurations Available	(+10%) 120V~60 Hz; 220V~50/60 Hz; 230-240V~50/60 Hz (Please Specify)		

Dimensions	19" x 3.5" x 12.4" (48.3cm x 8.9cm x 31.5cm) (Please Specify)		
Weight	29.7lbs (13.5kg) Approx. (Please Specify)		
IEC Power Connector	15A (Please Specify)		
Warranty	3 Years Comprehensive (Please Specify)		

Ms. O. V. L. Krishani
 Deputy Director - Procurement
 Operations Technical Secretariat
 AHEAD Project
 University Of Ruhuna
 Wellamadama, Matara.