Tender # Fur/19/2018-19



Tender Fee: Rs.5000/-(Non-Refundable)

Shaheed Mohtarma Benazir Bhutto Medical University, Larkana.

TENDER FORM

PROVIDE & SUPPLY OF OFFICE FURNITURE & MISCELLANEOUS ITEMS

Date of Issuance	:	Monday January 21, 2019.
Last Date of Submission	:	Wednesday February 06, 2019 (11:00 am)
Date of Opening	:	Wednesday February 06, 2019 (11:30 am)
Name of Firm:		

NTN: _____. SRB/GST Registration Number: _____.

Pay Order / Demand Draft # _____, Amount of <u>Rs. 5,000/=.</u>

Drawn on Bank ______. Dated ______.

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1. Introduction

Dear Tenderer,

Thank you for the interest you have shown in response to the SMBBMU's NIT which has floated in Jung, Kawish on 20-01-2019 and the Dawn 21-01-2019, SMBBMU & SSPRA websites for Provide & Supply of Office Furniture & miscellaneous items for the office of the honorable Vice Chancellor, Senate hall.

Shaheed Mohtarma Benazir Bhutto Medical University, Larkana is premiere educational institute in Upper Sindh imparting quality education to the nation. We are interested to procure our furniture of prime quality from your esteemed firm.

We expect to avail services/works/items of high standards meet our prime & basic specifications through this transaction.

Please feel free to contact on 074-9410912 or <u>suhail.abbasi@smbbmu.edu.pk</u> for any information and query.

Thank you.

-sd-Planning, Procurement & Logistics Officer

2. Instructions

- (a) Shaheed Mohtarma Benazir Bhutto Medical University, Larkana expects that aspirant should furnish all the required documents to ensure a transparent and genuine presentation. Therefore, it is necessary to fill in the Tender Form meticulously and sign & stamp each and every page. Moreover, attach required supporting document according to the requirement.
- (b) It is of utmost important to fill in the Tender Form in writing in ink or type. Do not leave any column/item blank. If you want to leave the item/column un-answered please, write "Doesn't Apply/Doesn't Arise". If you need more space please attach a paper & clearly mention item/column name or number etc. that referred the column/item of the Tender Form.
- (c) Tender Documents can be obtained from the <u>http://smbbmu.edu.pk/announcements/tender</u>. The Tender Fees Rs. 5,000/- shall be paid through Demand Draft/ Pay Order in favor of Vice Chancellor, Shaheed Mohtarma Benazir Bhutto Medical University, Larkana. The copy of D.D/P.O will be attached with the Tender Documents.
- (d) The last date for submission of the Tender Documents in sealed envelope on Wednesday February 06, 2019 by 11:00am in the Office of the Planning, Procurement & Logistics Officer, Admin Block, Shaheed Mohtarma Benazir Bhutto Medical University, Moenjo-Daro Road, Larkana. The Tender will be opened on same day at 11:30am in the presence of representatives who may care to attend.
- (e) **Bid Security** of 5% of total charges will be submitted along with Tender Documents in shape of PAY ORDER / DEMAND DRAFT only in the name of **Vice Chancellor**, **Shaheed Mohtarma Benazir Bhutto Medical University, Larkana**.
- (f) Successful bidder shall provide 5% Performance Security of total value of Purchase Order / Work Order in the form of Pay Order or Bank Guarantee before submission of invoice. The Performance Security shall extend at least three months beyond the Date of Delivery/ Completion of work / Contract.
- (g) Kindly mentioned "Tender Number" at top left corner of the envelope.
- (h) Tender Document are also available at the Office of Planning, Procurement & Logistics Officer, Admin Block, Shaheed Mohtarma Benazir Bhutto Medical University, Moenjo-Daro Road, Larkana.
- (i) The documents evidence of conformity of the goods and services to the bidding documents may be attached in the form of literature, drawings, and Data, and shall consist of:
 - a A detailed description of the essential technical and to performance characteristics of the goods;
 - b The Bidder shall note that standards for material and equipment, as well as references to brand names or pictures designated by the Procuring agency in its Technical Specification are intended to be descriptive only and not restrictive : till

stated otherwise in Technical Specifications or Bid Data Sheet .The Bidder may offer alternative standards, brand names , and /or catalogue numbers in its bid , provided that demonstrates to the Procuring agency's satisfaction that the substitutions ensure substantial equivalence to those designated in the in the Technical Specifications.

- (j) Arithmetical errors will be rectified as, if there is a discrepancy between the unit price and the total price that is obtained by multiplying the unit price and quantity, the unit price shall prevail, and the correction of the errors, its bid will be rejected, and its bid security may be forfeited. If there is a discrepancy between words and figures, the amount in words will prevail.
- (k) All currency in the proposal shall be quoted in Pakistan Rupees (PKR).
- Manufacturers / Firms / Supplier / Companies / Distributors shall maintain its status as an active/filer taxpayer with taxation authorities while rendering services to SMBBMU, Larkana.

Tender # Fur/19/2018-19

3. BIDDING DATA

(a). Name of Procuring Agency: Shaheed Mohtarma Benazir Bhutto Medical University (SMBBMU), Larkana.

(b). Brief Description of Works: Provide & supply of executive office furniture, Sound System & miscellaneous items for the office of honorable Vice Chancellor, Senate Hall & other offices.

(c) **Procuring Agency's address**: Shaheed Mohtarma Benazir Bhutto Medical University, Moenjo-Daro Raod, Larkana.

(d) Amount of Bid Security: - Bid Security of 5% of total amount/cost will be submitted along with Tender Documents in shape of PAY ORDER / DEMAND DRAFT only in the name of Vice Chancellor, SMBBMU, Larkana.

(e) Period of Bid Validity (days): - Ninety Days

(f) **Performance Security Deposit:** - Successful bidder should provide 5% Performance Security of total value of Work Order in the form of Pay Order before submission of invoice. The Performance Security shall extend at least three months beyond the Date of Delivery/Completion of work / Contract.

(g) **Deadline for Submission of Bids along with time**: - Tender Document in sealed envelope should be submitted by Wednesday February 06, 2019 by 11:00am in the Office of the Planning, Procurement & Logistics Officer, Admin Block, Shaheed Mohtarma Benazir Bhutto Medical University, Moenjo-Daro Road, Larkana. The tender will be opened on same day at 11:30am in the presence of representatives who may care to attend.

(i) Liquidity damages: - 2% liquidity damages of the total amount will be imposed fortnightly, if the contractor failed to complete work within the execution period.

(j) Deposit Receipt No: Date: - Pay Order / Demand Draft # _____,

Amount Rs. _____. Drawn on Bank ______. Dated _____.

4. BIDDER QUALIFICATION CRITERIA (Mandatory)

S #	Mandatory Eligibility Criteria *	Yes/No
1	Job Specific Experience of successfully completed works of up to 15 million in last 2 years	
2	At least two 02 performance certificates showing timely delivery of stores must be provide dully signed from the Procuring Agencies with contact details.	
3	Last 3 years' bank statements minimum 50 million (per year) or financial statement	
4	Manufacturers / Firms / Supplier / Companies / Distributors must provide active "Sales tax & Income Tax Registration Certificate both FBR and / or SRB" at the time of submission of bidding document.	
5	Affidavit of "No Dissatisfactory Performance" at any organization for last 5 years & any litigation or blacklisting.	
6	Tender Fee Received	

* Attached all documentary proofs. Failure to provide documents will lead the rejection of the bid.

6. Bill of Quantities:

Provide & supply of office furniture & miscellaneous items

<i>S.</i> #	Description	Qty	Rate	Amount
1	Furniture & Fixture and other miscellaneous items (Annexure-A)	As per annex- A		
2	Conference room sound system and other miscellaneous items (Annexure-B)	As per annex-B		
	Sub-Total			
	GST 17%			
	Total			

Total Rupees (in words):

Stamp & Signature

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6. Terms & Conditions

The following terms of the purchase are agreed by the manufacturer/ supplier/ distributor:

- (i) **Receiving/Acceptance of Purchase Order:** The manufacturers / distributor / supplier will sign the copy of the Purchase Order as acknowledgement.
- (ii) Delivery Challan: Copies of Delivery Challan on which the Order Number, Date of Delivery Execution, Quantity, Quality, Specifications, Manufacturer name clearly mentioned. Noncompliance with this condition renders the goods / works liable to nonacceptance. After seven days, SMBBMU, Larkana will not be responsible for any claim(s) / responsibility.
- (iii) **Place of Delivery:** As specified in the Purchase Order unless otherwise informed accordingly.
- (iv) **Delayed Delivery:** 2% liquidity damages of the total amount will be imposed fortnightly for which the contractor failed to complete work within the execution period. The vender would be held responsible
- Inspection: Physical inspection will be carried out by SMBBMU, Larkana authority.
 Ordered material is subject to final inspection at the time of delivery. However, the vendor will be held responsible for the quality of item as per Purchase Order or as per quoted item.
- (vi) **Quantity:** Competent Authority reserves the right to change/alter/remove any item or article or reduce/enhance quantity without assigning any reason and contractor will abide the instruction.
- (vii) **Condition of Goods**: All items must meet in all respects with the primary specs & conditions of the Order and must be in good condition otherwise they will be liable to reject.
- (viii) **Delivery of Goods:** All the items must be delivered to the Store of the SMBBMU, Larkana and sign receipt with stamp on delivery note should be obtained.
- (ix) **Rejection of Goods:** We reserve the right to cancel any or all the items if material is not in accordance with the primary specification or if the delivery is delayed.
- (x) **Termination:** That upon termination of this agreement the service provider shall be permitted to remove all its devices and equipment which may have been placed at premises from the time to time.
- (xi) **Submission of Bills/Invoices:** Invoice/bill, Purchase Order & Delivery Challan should be submitted to the *Office of the Planning, Procurement & Logistics Officer*.
- (xii) Advance Payment: No advance payment.

Stamp & Signature

(xiii) **Performance Security:** Successful bidder should provide 5% Performance Security of total value of Work Order in the form of Pay Order or Bank Guarantee before submission

of invoice. The Performance Security shall extend at least three months beyond the Date of Delivery/Completion of work/Contract. The pay order will be retained in case of any loss to the University or penalty imposed by the University on delay delivery.

- (xiv) Validity of Bid: Validity is for ninety (90) days.
- (xv) **Company Profile:** Company Profile be attached with this document along with quoted item specifications.
- (xvi) **Rules, Regulations & Policies:** All rules, regulations and policies will be governed in accordance to the SPPRA & SMBBMU.
- (xvii) **Price / Rate:** Price / rate must be quoted on Tender Form only and submitted in sealed envelope.
- (xviii) **Arbitration:** In case of any dispute, difference or and question which may at any time arise between the parties hereto or any person under them, arising out in respect of this letter of intent or this subject matter thereof shall be referred to the Registrar of the SMBBMU and CEO of the manufacturer/supplier/distributor for arbitration/settling of the dispute, failing which the decision of the court law in the jurisdiction of LARKANA binding to the parties.
- (xix) **General Sales Tax:** General Sales Tax will be paid on applicable items only by the company/firm/agency.
- (xx) **Government tax(es), levi(es) and charges(s)**: All Government taxes (including Income tax, stamp duty & SRO), levies and charges will be charged as per applicable rates / denomination of Purchase / Work Order.
- (xxi) Rights: SMBBMU reserve the right to accept or reject any or all tender(s) or terminate proceedings at any stage in accordance to the rules & regulations framed by SPPRA. SMBBMU, also reserve the right to issue Purchase Order for any single items to different lowest evaluated bidders or issue Purchase Order for all the items to any lowest evaluated bidder.
- (xxii) **Bidding Procedure**: The bidding process is based on "Single Stage- One Envelope" procedure.
- (xxiii) **Stamp Duty**: Stamp duty 0.35% for Goods against total value of Purchase Order will be levied accordingly or as per rule.

Note:

This Terms & Conditions is integral part of contract agreement besides other clauses / articles.

Stamp & Signature

7. Integrity Pact

Declaration of Charges, Fees, Commission, Taxes, Levies etc. payable by the manufacturer/supplier/distributor works;

M/s	, the manufacturer / supplier /
distributor hereby declares that:	

- (a) Its intention not to obtain the procurement work of any Contract, right, interest, privilege, or other obligation or benefit from the SMBBMU or any Administrative or Financial Offices thereof or any other department under the control of the SMBBMU through any corrupt practice(s).
- (b) Without limiting the generality of the forgoing the manufacturer/supplier/distributor represents and warrants that it has fully declared the charges, fees, commission, taxes, levies etc., paid or payable to anyone and not given or agreed to give and shall not give or agree to give to anyone within the SMBBMU directly or indirectly through any means any commission, gratification, bribe, gifts, kickback whether described as consultation fee or otherwise, with the object of obtaining or including the procurement or service contract or order or other obligations whatsoever from the SMBBMU, except that which has been expressly declared pursuant hereto.
- (c) The manufacturer/supplier/distributor accepts full responsibility and strict liability for making any false declaration/statement, not making full disclosure, misrepresenting facts or taking any action likely to degrade the purpose of declaration, representation and warranty. It agrees that any contract/order obtained aforesaid shall without prejudice to any other right & remedies available to the SMBBMU under any law, contact, or other instrument, be stand void at the discretion of the SMBBMU.
- (d) Notwithstanding any right and remedies exercised by the SMBBMU in this regard, manufacturer/supplier/distributor agrees to indemnify the SMBBMU for any loss or damage incurred by it on account of its corrupt business practice & further pay compensation to the SMBBMU in any amount equivalent to the loss of any commission, gratification, bribe, gifts, kickback given by the company/firm/supplier/agency/service provider as aforesaid for the purpose of obtaining or inducing procurement/work/service or other obligation or benefit in whatsoever from the SMBBMU.

Note:

This integrity pact is mandatory requirement other than auxiliary services / works.

M/s	
Contact Person	
Address	
Tel #	Fax
Mobile	email

It is hereby certified that the terms and conditions have been read, agreed upon and signed.

SIGNATURE & STAMP

Annexure-A

Furniture & Fixture and other miscellaneous items

S.#	Description	Unit	Qty	Color & Design
01	Conference Table High quality office desk, MDF faced with wood veneer, finished by painting. The material should be environment friendly. The structure of main desktop with leatherite Size: 8000WX2200DX765H Material: Wood, MDF/HDF+Veneer, Leather/solid wood Finish: Veneer Latherite padding Color: Walnut Transportation, installation & fixation on site. Color & design as per picture	Set	01	COIOI & DESIGN
02	Executive Chair Material: Wooden, Leather Classic, Metal Base Frame, five-star base and caster, flexibly moving forward, back and turn around Imported. Color & design as per picture	No	1	
03	Conference chair Wooden frame office conference room leather meeting chairs. Anti- dirty, acid-base proof, high temperature resistance, smooth surface Size: 53*70*112 Surface: PU/genuine leather Frame: lacquer solid wood Seating and backrest: 40-degree density foam Colors: Teak Color & design as per picture	Nos	24	
04	Tabular visitor chairExcellent surface finishing, strong structureSize: 605*500*955-1035Material: Synthetic Leather, chrome Base: chromed metal frame Color & design as per picture	Nos	12	

05	Office Complete Set Executive Table = 1 Size: 2000*950*820 Material: Wooden, Solid wood, MDF, Veneer & PU, Frame: Solid Wood Side Table = 1, Size: 1170*530*720 Material: Wooden, Solid wood, MDF, Veneer, Frame: Solid Wood Bookshelf/File cabinet =1 Size: 3000*480*2180 Material: Wooden, Solid wood, MDF Frame: Solid Wood, Executive Chair = 1, Size: 670*760*1070/1130 Material: Wooden, Leather Office Chairs = 4, Size: 670*560*950 Material: Wooden, Leather Sofa set 5-Seater = 1 1 Seat dimension: 950*750*800 3 Seat dimensions: 1950*750*800	Set	01	
	Sofa Material: Hard solid wooden frame inside Multi layers high density foam			
	solid wood legs Genuine leather			
	<u>Coat stand</u> solid wood			
06	Color & design as per picture SEATER SOFA SET (Two-seater)	Nos	10	
	Frame: Made of Solid Wood			
	Legs: Made of Solid Wood Seating Capacity: Three persons			
	Upholstery: Leather			
	Assembly Type: Pre-assembled			
	Color & design as per picture			Andread
07	SEATER SOFA SET (Single-seater)	Nos	07	The second second
	Frame: Made of Solid Wood Legs: Made of Solid Wood			
	Seating Capacity: Single person			
	Upholstery: Leather			
	Assembly Type: Pre-assembled			
	Color & design as per picture		<u> </u>	
08	Central Table: 4 Nos Table Dimensions: W47" x D27" x	Nos	04	
	H16" - Design:" Rectangular Center			
	Table - Material: Solid Wood			
	Polish: Veneer - Frame: Solid Wood			And share the same
	Color & design as per picture			and the second se

09	Side Table: Side Table Dimensions: W27" x D27" x H16" - Design:" Rectangular Center Table - Material: Solid Wood Polish: Veneer - Frame: Solid Wood Color & design as per picture	Nos	08	
10	PVC wall paneling Material: PVC Resin and Calcium Carbonate, Thickness: 5-15mm, Width: 120cm Features: High intensity, Waterproof, Termite proof, Fire retardant, Heat Proof, Damp Proof, Rust Proof, Sound Resistant and Light in weight. Including Transportation, Installation & Labor.	Sft	800	-
11	Coat hanger stand wooden Laminating Wood Hanger Hanger size: 500*360*1100mm Material: Beech, Type: luxury vertical clothes rack, Feature: Eco-Friendly, Durable Top-grade Beech Wood Hangers; Stainless Steel Frame ; Hairline Brush Finish. Color & design as per picture	Nos	02	
12	Portable wooden partition Material: Shesham wood Size: 6X5 Color: Polish	Nos	01	-
13	<u>DC Invertor Air Conditioning</u> 24000 BTU Daiken, Mitsubishi or equivalent	Nos	4	-
14	Interior Fabric Roller Blinds Roller blind with aluminum or plastic covering rail. The side guides prevent light penetration along the sides. Profiles and rails can be coated by renolit in wood imitation. Day-night fabric. Ball Chain Motor Control. Diverse mounting option. Transportation, Installation & Labor	Sft	560	-
15	Carpet for conference Hall Material: Polyester, Thickness: 10- 12mm, Shape: Rectangular, Wash Type: Machine wash Transportation, Installation & Labor	Sft	450	-

16	Vacuum cleaner Function: Wet and Dry, Capacity: 15L or Higher, Multi filter: sponge filter, HEPA filter, paper dust bag Vacuum level: 18KPA, Power: 1000W Height: 55cm or Higher, Voltage: 220V-240V, Mode of Cooling: Circulating Air Cooling, Air Flow Rate: 48 L/S, Vacuum Suction: 210mbar Length of the Cable: 7m, Hose Diameter: 36mm	Nos	1	-
17	Panasonic or equivalent Air Room Heater Type of Electric Heater: Fan/Air Heat output: 1500 watts, Material: ceramic, Installation: handheld, portable, wall mounted., Feature: Safety auto shut-off, adjustable thermostat, carry handle cool to touch exterior.	Nos	05	_

Annexure-B

Conference room sound system and other miscellaneous items (Annexure-B)

	Conference room sound system and other miscellaneous items (Annexure-B		-
S. #	Item name & specifications	Unit	Qty
01	<u>All in One Computer</u> Processor 8th Generation Intel® Core™ i5-8400T, Memory 8GB,	Nos	3
	Storage 256 SSD, OS Windows 10		
	Optical DVD/RW, LAN, WIFI, Camera Web Cam,		
	Wireless Keyboard,		
	Wireless Mouse, Screen 24"		
	HP or equivalent		
02	Multi-Functional Printer (MFP)	Nos	3
_	Device Type: Multifunction printer, Printing Technology: Laser-		
	monochrome, Max Copying Speed: Up to 28 ppm, Max Printing Speed: Up to		
	47 ppm, Automatic Duplexing: Yes, Monthly Duty Cycle (max): 30000 pages,		
	Recommended Monthly Volume: 250 - 2500 pages, Interface: USB 2.0, LAN,		
	Max Document Enlargement: 400%, Max Document Reduction: 25%,		
	Maximum Copies: 99, Copying Features: ID Card Copy, collation copy, Max		
	Printing Resolution: Up to 1200 x 1200 dpi		
	Along with one original tonner.		
	HP or equivalent		
03-1	Main Controller (TOA or Equivalent)	Nos	1
	Number of Connectable Units: Max. 24 units		
	Control: Priority speech chime: Operation priority key activates a single-		
	tone chime, Speaker restriction: Number of simultaneously-usable can be		
	set up to 0-3, Automatic Mic-Off Function: OFF, 30s (selectable), Input:		
	Selectable MIC or AUX, Mic: -60dB*, 600 Ω , unbalanced, phone jack		
	AUX: -20 dB*, 10 k Ω , unbalanced, phone jack		
	Output: Recording: $-20dB^*$, $10 k\Omega$, unbalanced, RCA jack		
	Power Source: 220 - 240 V AC, 50/60 Hz		
	Power Consumption: 20 W		
	Rated Output: 36 V DC, 480 mA Operating Temperature: 0 °C to +40 °C (32 °F to 104 °F)		
	Operating Humidity: 90 %RH or less (no condensation)		
	Warranty: 1 Year Onsite		
03-2	Chairman Unit (TOA or Equivalent)	Nos	01
05 2		NUS	01
	Microphone Unit: Electric condenser microphone, Directivity- Unidirectional,		
	Sensitivity- 137 dB (1KHz 0dB = $1V / Pa$), Frequency response- $100Hz - 13$		
	kHz		
	Control: Talk Key-Microphone Speaker on-off control by talk key.		
	Priority key-Microphone, Speakers on-off, other microphone cut off and		
	single tone chime activation.		
	Volume control: Headphone output and internal volume adjustable		
	Output: Headphone / Recording: 32Ω (headphone)/10 Ω , -20 dB* recording		
	unbalanced, mini jack (with volume control)		
	Internal speakers: 130 Ω , 200mW (with Volume control)		
	Power Source: 36 V DC, 30 mA		
	Operating Temperature: 0 °C to +40 °C (32 °F to 104 °F)		
	Operating Humidity: 90 %RH or less (no condensation)		
	Warranty: 1 Year Onsite		
I I			

		.	
03-3	<u>Delegation Unit (TOA or Equivalent)</u>	Nos	24
	Microphone Unit: Electric condenser microphone, Directivity- Unidirectional,		
	Sensitivity37 dB (1KHz 0dB = 1V / Pa), Frequency response- 100Hz – 13 kHz,		
	Impendence- 1.8k Ω		
	Control:		
	Talk key: Microphone, Speaker on-off control by talk key.		
	Volume control: Headphone output and internal volume adjustable		
	Output:		
	Headphone / Recording: 32 Ω (headphone)/10 Ω , -20 dB* recording unbalanced,		
	mini jack (with volume control)		
	<u>Internal speakers:</u> 130 Ω, 200mW (with Volume control)		
	Power Source: 36 V DC, 30 mA		
	Operating Temperature: 0 °C to +40 °C (32 °F to 104 °F)		
	Operating Humidity: 90 %RH or less (no condensation)		
02.4	Warranty: 1 Year Onsite	NI	0.1
03-4	Amplifier (TOA or Equivalent)	Nos	01
	Power Source: 220 - 240 V AC, or 24 V DC, Rated Output: 60 W, Power		
	Consumption: 72 W (EN60065), 4 A (DC operation at rated output), Input:		
	MIC 1 - 3: -60 dB*, 600 Ω , balanced, equivalent to XLR-3-31 type		
	AUX 1, 2: -20 dB*, 10 k Ω , unbalanced, RCA pin jack, Mute: Contact screw terminal		
	(for MIC 1)		
	Output: Speaker out: Balanced (floating), M3.5 screw terminal,		
	distance between barriers: 8.3 mm (0.33"), High impedance: 170 Ω (100 V), 83 Ω		
	(70 V), Low impedance: 4 Ω (15.5 V), Rec out: 0 dB*, 600 Ω , unbalanced, RCA pin		
	jack, Frequency Response: 50 - 20,000 Hz (±3 dB), Distortion: 1% or less at 1 kHz,		
	1/3 rated power		
	S/N Ratio: 60 dB or more		
	Tone Control: Bass: ±10 dB at 100 Hz		
	Treble: ±10 dB at 10 kHz		
	Muting: MIC 1 overrides other input signals with 0 - 30 dB attenuation by mute		
	terminal contact		
	Finish: Panel: ABS resin, black		
	Case: Steel plate, black		
03-5	Speakers (TOA or equivalent)	Nos	04
05 5	Speaker Component: 12 cm (5") cone-type, Mounting: Spring Clamp	NUS	04
	Rated Input: 6 W (100 V line), 3 W (70 V line) Sensitivity: 90 dB (1 W, 1 m) (500 Hz		
	- 5 kHz, pink noise)		
	- 5 kHz, pink noise) Frequency Response: 100 Hz - 18 kHz (peak -20 dB) Rated Impedance: 100 V line:		
	- 5 kHz, pink noise) Frequency Response: 100 Hz - 18 kHz (peak -20 dB) Rated Impedance: 100 V line: 1.7 kΩ (6 W), 3.3 kΩ (3 W), 10 kΩ (1 W) 70 V line: 1.7 kΩ (3 W), 3.3 kΩ (1.5 W), 10		
	- 5 kHz, pink noise) Frequency Response: 100 Hz - 18 kHz (peak -20 dB) Rated Impedance: 100 V line: 1.7 kΩ (6 W), 3.3 kΩ (3 W), 10 kΩ (1 W) 70 V line: 1.7 kΩ (3 W), 3.3 kΩ (1.5 W), 10 kΩ (0.5 W)		
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	- 5 kHz, pink noise) Frequency Response: 100 Hz - 18 kHz (peak -20 dB) Rated Impedance: 100 V line: 1.7 kΩ (6 W), 3.3 kΩ (3 W), 10 kΩ (1 W) 70 V line: 1.7 kΩ (3 W), 3.3 kΩ (1.5 W), 10 kΩ (0.5 W) Dimensions for Fixing Hole: Mounting hole: $Φ145\pm5$ mm ($Φ5.71"\pm0.2"$)		
	- 5 kHz, pink noise) Frequency Response: 100 Hz - 18 kHz (peak -20 dB) Rated Impedance: 100 V line: 1.7 kΩ (6 W), 3.3 kΩ (3 W), 10 kΩ (1 W) 70 V line: 1.7 kΩ (3 W), 3.3 kΩ (1.5 W), 10 kΩ (0.5 W) Dimensions for Fixing Hole: Mounting hole: $Φ145\pm5$ mm ($Φ5.71"\pm0.2"$) Ceiling thickness: 5 - 25 mm (0.2" - 0.98") Finish: Baffle: Polypropylene resin,		
	- 5 kHz, pink noise) Frequency Response: 100 Hz - 18 kHz (peak -20 dB) Rated Impedance: 100 V line: 1.7 k Ω (6 W), 3.3 k Ω (3 W), 10 k Ω (1 W) 70 V line: 1.7 k Ω (3 W), 3.3 k Ω (1.5 W), 10 k Ω (0.5 W) Dimensions for Fixing Hole: Mounting hole: Φ 145±5 mm (Φ 5.71"±0.2") Ceiling thickness: 5 - 25 mm (0.2" - 0.98") Finish: Baffle: Polypropylene resin, Grille: Surface-treated steel plate net, paint.		
03-6	- 5 kHz, pink noise) Frequency Response: 100 Hz - 18 kHz (peak -20 dB) Rated Impedance: 100 V line: 1.7 kΩ (6 W), 3.3 kΩ (3 W), 10 kΩ (1 W) 70 V line: 1.7 kΩ (3 W), 3.3 kΩ (1.5 W), 10 kΩ (0.5 W) Dimensions for Fixing Hole: Mounting hole: $Φ145\pm5$ mm ($Φ5.71"\pm0.2"$) Ceiling thickness: 5 - 25 mm (0.2" - 0.98") Finish: Baffle: Polypropylene resin, Grille: Surface-treated steel plate net, paint. Digital Wireless System (TOA or equivalent)	Set	01
03-6	- 5 kHz, pink noise) Frequency Response: 100 Hz - 18 kHz (peak -20 dB) Rated Impedance: 100 V line: 1.7 k Ω (6 W), 3.3 k Ω (3 W), 10 k Ω (1 W) 70 V line: 1.7 k Ω (3 W), 3.3 k Ω (1.5 W), 10 k Ω (0.5 W) Dimensions for Fixing Hole: Mounting hole: Φ 145±5 mm (Φ 5.71"±0.2") Ceiling thickness: 5 - 25 mm (0.2" - 0.98") Finish: Baffle: Polypropylene resin, Grille: Surface-treated steel plate net, paint.	Set	01
03-6	- 5 kHz, pink noise) Frequency Response: 100 Hz - 18 kHz (peak -20 dB) Rated Impedance: 100 V line: 1.7 kΩ (6 W), 3.3 kΩ (3 W), 10 kΩ (1 W) 70 V line: 1.7 kΩ (3 W), 3.3 kΩ (1.5 W), 10 kΩ (0.5 W) Dimensions for Fixing Hole: Mounting hole: Φ 145±5 mm (Φ 5.71"±0.2") Ceiling thickness: 5 - 25 mm (0.2" - 0.98") Finish: Baffle: Polypropylene resin, Grille: Surface-treated steel plate net, paint. Digital Wireless System (TOA or equivalent) Digital wireless microphone	Set	01
03-6	- 5 kHz, pink noise) Frequency Response: 100 Hz - 18 kHz (peak -20 dB) Rated Impedance: 100 V line: 1.7 k Ω (6 W), 3.3 k Ω (3 W), 10 k Ω (1 W) 70 V line: 1.7 k Ω (3 W), 3.3 k Ω (1.5 W), 10 k Ω (0.5 W) Dimensions for Fixing Hole: Mounting hole: Φ 145±5 mm (Φ 5.71"±0.2") Ceiling thickness: 5 - 25 mm (0.2" - 0.98") Finish: Baffle: Polypropylene resin, Grille: Surface-treated steel plate net, paint. Digital Wireless System (TOA or equivalent) Digital wireless transmitter	Set	01
03-6	- 5 kHz, pink noise) Frequency Response: 100 Hz - 18 kHz (peak -20 dB) Rated Impedance: 100 V line: 1.7 kΩ (6 W), 3.3 kΩ (3 W), 10 kΩ (1 W) 70 V line: 1.7 kΩ (3 W), 3.3 kΩ (1.5 W), 10 kΩ (0.5 W) Dimensions for Fixing Hole: Mounting hole: $Φ145\pm5$ mm ($Φ5.71"\pm0.2"$) Ceiling thickness: 5 - 25 mm (0.2" - 0.98") Finish: Baffle: Polypropylene resin, Grille: Surface-treated steel plate net, paint. Digital Wireless System (TOA or equivalent) Digital wireless transmitter Digital wireless Receiver	Set	01
	- 5 kHz, pink noise) Frequency Response: 100 Hz - 18 kHz (peak -20 dB) Rated Impedance: 100 V line: 1.7 k Ω (6 W), 3.3 k Ω (3 W), 10 k Ω (1 W) 70 V line: 1.7 k Ω (3 W), 3.3 k Ω (1.5 W), 10 k Ω (0.5 W) Dimensions for Fixing Hole: Mounting hole: Φ 145±5 mm (Φ 5.71"±0.2") Ceiling thickness: 5 - 25 mm (0.2" - 0.98") Finish: Baffle: Polypropylene resin, Grille: Surface-treated steel plate net, paint. Digital Wireless System (TOA or equivalent) Digital wireless transmitter Digital Wireless Receiver battery charger		
03-6	- 5 kHz, pink noise) Frequency Response: 100 Hz - 18 kHz (peak -20 dB) Rated Impedance: 100 V line: 1.7 kΩ (6 W), 3.3 kΩ (3 W), 10 kΩ (1 W) 70 V line: 1.7 kΩ (3 W), 3.3 kΩ (1.5 W), 10 kΩ (0.5 W) Dimensions for Fixing Hole: Mounting hole: Φ 145±5 mm (Φ 5.71"±0.2") Ceiling thickness: 5 - 25 mm (0.2" - 0.98") Finish: Baffle: Polypropylene resin, Grille: Surface-treated steel plate net, paint. Digital Wireless System (TOA or equivalent) Digital wireless transmitter Digital wireless Receiver battery charger UPS 2KVA online (APC or equivalent)	Set	01
03-7	- 5 kHz, pink noise) Frequency Response: 100 Hz - 18 kHz (peak -20 dB) Rated Impedance: 100 V line: 1.7 k Ω (6 W), 3.3 k Ω (3 W), 10 k Ω (1 W) 70 V line: 1.7 k Ω (3 W), 3.3 k Ω (1.5 W), 10 k Ω (0.5 W) Dimensions for Fixing Hole: Mounting hole: Φ 145±5 mm (Φ 5.71"±0.2") Ceiling thickness: 5 - 25 mm (0.2" - 0.98") Finish: Baffle: Polypropylene resin, Grille: Surface-treated steel plate net, paint. Digital Wireless System (TOA or equivalent) Digital wireless microphone Digital wireless transmitter Digital Wireless Receiver battery charger UPS 2KVA online (APC or equivalent) High density, double-conversion on-line power protection with scalable runtime.	Qty	02
	- 5 kHz, pink noise) Frequency Response: 100 Hz - 18 kHz (peak -20 dB) Rated Impedance: 100 V line: 1.7 kΩ (6 W), 3.3 kΩ (3 W), 10 kΩ (1 W) 70 V line: 1.7 kΩ (3 W), 3.3 kΩ (1.5 W), 10 kΩ (0.5 W) Dimensions for Fixing Hole: Mounting hole: Φ 145±5 mm (Φ 5.71"±0.2") Ceiling thickness: 5 - 25 mm (0.2" - 0.98") Finish: Baffle: Polypropylene resin, Grille: Surface-treated steel plate net, paint. Digital Wireless System (TOA or equivalent) Digital wireless transmitter Digital wireless Receiver battery charger UPS 2KVA online (APC or equivalent)		

0.4			01
04	79" Interactive Flat Panel	Set	01
	Screen Size: 79", Backlight / Light source: DLED, Resolution (Pixels): UHD		
	3840x 2160 pixels, Brightness (Typical): 350 nits, Contrast Ratio (Typical):		
	1,200:1, Viewing Angle (Horizontal/Vertical): 178°/178°		
	Response Time (ms): 8ms		
	Light Life (Typical): 30,000 hours		
	Display Orientation: Landscape		
	Panel Bit: 10 bit, Glass:		
	Tempered Glass 4mm, Tempered G		
	Anti-Glare (AG) Coating		
	Germ-Resistant Screen		
	Touch: Technology IR		
	Numbers of Touch Up to 20 Point Multi, Audio: Internal Speaker16Wx2		
	Line Out (Audio Out, 3.5mm)		
	Line In (3.5mm), MIC (3.5mm)		
	Coax Output, Basic Input & Output		
	VGA Input, VGA Output, HDMI Input		
	HDMI Output, Display Port, Slot-in-PC, OS Supported Windows		
	XP/7/8/10/WinCE/Vista/Linux/Mac/Android/Chrome, Complete Accessories:		
	Remote Controller, HDMI Cable, Power Cord, Audio Cable, VGA Cable, Quick		
	Start Guide		
	User's Manual Electronic File, USB Cable for Touch, Touch Pen,		
	Software License		
	Software Election		