

Arena-6-29-2023-A - Courtside Lounge Removal and Replacement of Audio, Lighting, and Video Equipment and System Upgrade - Scope of Work

SCOPE OF WORK:

Miami-Dade Arena is looking for a highly qualified and experienced vendor to procure and install the advanced, specialized, audio, lighting, and video equipment needed for the Center's Courtside Club Audio, Lighting, and Video System upgrade. Equipment includes but is not limited to:

1. Q-SYS Network Amplifiers (see attached equipment list)
2. Touchscreen controllers (see attached equipment list)
3. Professional DJ mixer and multi players (see attached equipment list)
4. Daktronics video displays (see attached equipment list)
5. Samsung LED LCD Displays (see attached equipment list)
6. GrandMa Lighting control modules (see attached equipment list)
7. Center hung chandelier redesign.
8. Integration with existing electrical components
9. Shop drawings and mockups as needed.
10. Programming and commissioning of Systems.
11. Installation of Audio, Lighting, and Video Equipment as listed on attached equipment list.
12. Proper removal and disposal of existing equipment.

GENERAL REQUIREMENTS:

- A. Furnishing all labor, operations, materials, accessories, incidentals, services and equipment (exclusive of pre-purchased or Manager provided materials, accessories and/or equipment) indicated, specified, mentioned, scheduled or implied in this Scope of Work.
- B. Provide ongoing software maintenance to ensure most current version.
- C. Removal and disposal of existing equipment as designated by Arena management.
- D. Provide detailed procurement and delivery timeline to the Project Management Team.
- E. Warrant to the Arena in writing that the materials and equipment furnished will be high quality and free of defects and equipped to sustain South Florida weather.
- F. All work shall be performed by trained, certified, and skilled professionals in all the relevant technologies for this project and shall be executed in a workmanlike manner in accordance with the best standards and practices.
- G. Vendor submitting a proposal agrees that all data, records and information which proposer, its agents and employees obtain access to, create, and which are the subject of this proposal, remain at all times exclusively the property of the Arena. It is also agreed that all such data, records and information constitute, at all times, proprietary information of the Arena and that proposer will not disclose, provide or make available any such proprietary information in any form to any person or entity. In addition, vendor submitting a proposal further agrees that it will take reasonable steps and the same protective precautions to protect Arena's proprietary information from disclosure to third parties as with the proposer's own proprietary and confidential information.

APPROXIMATE PROJECT COST:

TIMELINE:

- Procurement of equipment and delivery of same must be completed within sixty (20) days of vendor approval.
- Vendor must coordinate delivery of equipment with the Special Project Team.
- Vendor must submit a detailed delivery timeline to the Special Project Team for approval.

WARRANTY:

- Vendor must provide minimum installation warranty of one (1) year from date of completion.
- Minimum manufacturer's warranty of five (5) years on all materials used from the date of completion.

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QUALIFICATIONS:

- The proposed Vendor must have the following experience and certifications:
 - Must be a firm with at least ten (10) years of experience in the lighting and audiovisual technology field.
 - All work shall be performed by trained, certified, and skilled professionals in the lighting and audiovisual communications systems.
 - Vendor shall provide documentation of a minimum of five (5) facilities (facility, contact name, title, address, and current phone number) where the Vendor has successfully procured and installed Audio, Lighting and Video Systems of equivalent size and scope within the last five (5) years.
 - Capacity to meet all deadlines to ensure successful implementation.

INSURANCE:

- Vendor shall purchase and maintain during the entire project and for two years after project completion insurance with the minimum limits and coverage shown below from insurance companies acceptable to Basketball Properties, Ltd. ("BPL"). BPL has the right to reject unacceptable insurance carriers.

STANDARD INSURANCE REQUIREMENTS	
Coverage Type	Limits
General Liability	
Auto Liability (All Hired Non-Owned)	
Umbrella	
Worker's Compensation	
Risk of Loss	Full replacement value of all Goods F.O.B. Arena

- Vendor shall carry standard ISO General Liability coverage, written on an occurrence basis including Completed Operations. Coverages on an occurrence basis shall be maintained without interruption from date of commencement of the Vendor's Work until date of final payment or date coverage is required to be maintained after final payment to the Vendor, whichever is later. The coverage must be endorsed to name Basketball Properties, Ltd., City of Miami, and Miami-Dade County as additional insureds on a primary and non-contributory basis.
- Umbrella coverage in the amount , each occurrence and aggregate. Coverage must be in excess of the Commercial General Liability, Automobile Liability and Employers Liability and must be written on a follow-form basis. Umbrella coverage shall be at least as broad as the primary Commercial General Liability Policy.
- Risk of Loss Insurance - Vendor shall provide, pay for and maintain insurance coverage, including transportation and casualty insurance, which insures the risks of loss, damage, or destruction in an amount not less than the total value of the Goods purchased. The risk of any loss, damage or destruction to any of the materials or Goods provided for in this Scope of Work from any casualty or cause shall be borne by and remain with vendor until successful delivery of the Goods to Miami-Dade Arena and acceptance of the Goods by Arena or Arena's authorized contractor.

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RFI Line Items

ECPU:ESTIMATED COST P/UNIT	PMP:POTENTIAL MINIMUM PURCHASE	PAP:POTENTIAL ANNUAL PURCHASE	PF:PURCHASE FREQUENCY	ETD:ESTIMATED DELIVERY TIME				
PRODUCT DESCRIPTION	MFR	PART NUMBER	MIN QTY	ECPU	PMP	PF	ETD	
8-Channel 1000W/CH Q-SYS Network Amplifier, Lo-Z, 70V, 100V direct drive, FlexAmp™, with Mic/line Inputs, 100-240V.	QSC	CX-Q 8K8	2			1	20	
4-Channel 2000W/CH Q-SYS Network Amplifier, Lo-Z, 70V, 100V direct drive, FlexAmp™, Mic/line Inputs, 100-240V.	QSC	CX-Q 8K4	1			1	20	
Unified Core with 24 local audio I/O channels, 128x128 total network I/O channels with 8x8 Software-based Dante license included, USB AV bridging, dual LAN ports, POTS and VoIP telephony, no GPIO, 16 next-generation AEC processors, 1RU.	QSC	CORE 110f-v2	1			1	20	
Q-SYS peripheral providing control expansion with 8 logic inputs and 8 logic outputs. Up to 4 devices daisy-chainable. 1U-1/4W, powered over Ethernet or +24 VDC. Surface mountable, rack kit sold separately.	QSC	QIO-GP8x8	2			1	20	
Q-SYS peripheral providing control expansion with 4 serial communication I/O. Up to 4 devices daisy-chainable. 1U-1/4W, powered over Ethernet or +24 VDC. Surface mountable, rack kit sold separately.	QSC	QIO-S4	1			1	20	
Rack mount tray and blanking panels to mount up to four QIO units in a 1U 19" standard rack format.	QSC	QIO-RMK	1			1	20	
Media Drive Kit for Core 110f ONLY - Provides a minimum of 200 hours of audio storage (WAV, MP3 or FLAC).	QSC	MD-110	1			1	20	
Q-SYS Core 110 UCI Deployment Software License, Perpetual.	QSC	SLQUD-110-P	1			1	20	
Q-SYS Core 110 Scripting Engine Software License, Perpetual.	QSC	SLQSE-110-P	1			1	20	
Q-SYS Software-based Dante 16x16 Channel License, Perpetual.	QSC	SLDAN-16-P	1			1	20	
Q-SYS 10.1" PoE Touch Screen Controller for In-Wall Mounting, Color - Black only	QSC	TSC-101-G3	1			1	20	
Q-SYS 7" PoE Touch Screen Controller for In-Wall Mounting, Color - Black only	QSC	TSC-70-G3	1			1	20	
4x2 Channel 2 Gang US Dante/AES67 Wall Plate 2 Mic/Line In x 2 Out (XLR), Phoenix I/O, PoE (white and black faceplates included)	QSC	unDX2IO+	2			1	20	
Professional DJ multi player (Black)	Pioneer DJ	CDJ-3000	2			1	20	
4-channel professional DJ mixer	Pioneer DJ	DJM-900NXS2	1			1	20	
8" active monitor speaker (black)	Pioneer DJ	VM-80	2			1	20	
Desktop Studio Monitor Stand	Gator Frameworks	GFWSPKSTMNDSK	2			1	20	
Studio Monitor Isolation Pad - Large	Gator Frameworks	GFW-ISOPAD-LG	2			1	20	
Wireless Handheld Microphone System - AW+ Band	Sennheiser	EW 500 G4-935	1			1	20	
Compact 10" , high output loudspeaker	Funktion-One	F101	6			1	20	
Yoke Kit for 101's, supplied with bolts for attachment to enclosure	Funktion-One	YF101-K1	6			1	20	
UTP, Cat 6, CMP, Commercial, 23-4 PAIR UTP- CM PAIR SOLID B CONDUCTOR CAT6, FRPO/FEP/FRLSPV CONDUCTOR BLACK 500FT, RIB NONBONDED-PAIR	Belden	2413	4			1	20	
Plenum-CL2P 12 AWG, 4 stranded bare copper conductors with Flamarrrest insulation, Flamarrrest jacket with ripcord	Belden	6002UE	2			1	20	
Plenum 12-2C STR BC FRPVC, FRPVC JKT BLK CL2P 75C, 500FT REEL	Belden	6000UE	4			1	20	
300 W LED (50,000hr) 2 Gobo wheels (interchangeable) 19,25 channel profiles	Chauvet Pro	Rogue R3 Spot	4			1	20	
7 RGBW, 40W LEDs (50,000hr) motorized zoom and beam angle) 14,15,19,21 channel profiles	Chauvet Pro	Rogue R1 Beam Wash	8			1	20	
Pixel-mapping 1-meter 50 LED strip for showing video and/or motion graphics	Chauvet Pro	EPIX Strip Tour	180			1	20	
Pixel-mapping 1-meter 100 LED strip for showing video and/or motion graphics	Chauvet Pro	EPIX Strip IP	18			1	20	
Processing and Power Supply - up to 18 EPIX Strip Tour	Chauvet Pro	EPIX Drive 900	11			1	20	
Pixel-mapping 5meter 240 LED Strip	Chauvet Pro	EPIX Flex 20	20			1	20	

Processing and Power Supply - up to 4 EPIX Flex 20	Chauvet Pro	EPIX Flex Drive	5			1	20
24v In line Voltage Booster for EPIX Flex 20	Chauvet Pro	EPIX Flex Boost	7			1	20
4-Pin XLR to 4-Pin XLR Unshielded Extension Cable (16')	Chauvet Pro	4PXLREXT16IN	100			1	20
water based haze machine that delivers high output while utilizing economic fluid consumption	Chauvet Pro	AMHAZE Eco	2			1	20
Premium Haze Fluid 1 Gallon	Chauvet Pro	PHF	12			1	20
1 x8 or 2x4 RDM Opto Splitter	Chauvet Pro	RDMX Splitter 8	2			1	20
Ethernet to DMX node, Functions as a merger for 2 controllers on either dmx or ethernet inputs. RDM over network functionality	Chauvet Pro	Net-X II	1			1	20
MA grandMA3 onPC 4Port Node 4K (Expands 2,048 parameters in Mode2)	ACT Lighting	MA4010513	1			1	20
1.2 MM PP DVLED Video Display (5' 7.53"H x 10' 0.05"W) with 1080p 4 card DI-6000. Includes Mounting System	Daktronics	NPI-6200 1.2MM	1			1	20
55"3840x2160 4K UHD LED LCD Display, 500 nit 24/7	SAMSUNG	QM55-B	4			1	20
65"3840x2160 4K UHD LED LCD Display, 500 nit 24/7	SAMSUNG	QM65B	2			1	20
75" 3840x2160 4K UHD LED LCD Display 500 nit 24/7	SAMSUNG	QM75B	1			1	20
SmartMount Articulating Wall Arm for 39 to 75" Displays - Up to 125lbs	Peerless-AV	SA761PU-NEW	7			1	20
LANmark-10G FTP Plenum Category 6A, F/UTP (Black)	Bertek	10189549	4			1	20
Miscellaneous Hardware, cable management etc for project BOM	Misc.	Assorted	0			1	20
Center Hung Chandelier Redesign not to exceed amount listed	Chauvert	TBD	1			1	20
Custom Trim Frame Around Daktronics Video Wall	Custom	TBD	1			1	20
Think Stations PC's for Audio, Lighting Video Systems	Lenovo	TBD	2			1	20
Fiber Backbone from nearest IDF to AV Closet. Contractor Selected by Arena by Arena	Fiber	TBD	1			1	20
Conduit for backbone fiber. Contractor Selected by Arena	Conduit	TBD	1			1	20
48 port POE+ Network switch	Juniper	TBD	1			1	20
Complete Drawing Package for Design. Engineering to include but not limited to Floor Plans, Reflective Ceiling Plans, Line Diagrams, Elevations and Installation Details. AS-Built and testing Documentation			18			1	20
Installation of Audio, Lighting and Video Equipment Listed above as per manufacturer spec.		Installation	135			1	20
Programming of GrandMa Lighting Control Console, Madrix Control and Integration and Programming of QSYS Controll System. Commissioning of Systems with fuction presets determined and approved by management.		Programming and Commissioning	22			1	20