August 26, 2020

NOTICE OF BID PROPOSAL

SIGNAL MONITORING, LOGGING, AND COMPLIANCE PROJECT

1. INTRODUCTION

The New Jersey Public Broadcasting Authority (“NJPBA” or “Authority”) has issued this Request for Proposal (“RFP”) to procure equipment through a broadcast equipment supplier that will be used to monitor and record the NJPBA broadcast sources for FCC compliance, quality control, and verification.

The NJPBA operates television broadcast facilities located throughout the State of New Jersey. The NJPBA monitors, in real-time, 28 separate sources in the Authority’s Trenton Operations Center (“TOC”) to determine signal quality and compliance. The objective of this RFP is to procure equipment capable of simultaneously monitoring, capturing, and immediately alerting the Authority of the condition and quality of twelve (12) separate broadcast signals.

Equipment specified in this RFP will be capable of decoding and analyzing Moving Pictures Expert Group (MPEG-2) transport stream signals. A transport stream signal, as specified by the Advanced Television Systems Committee (ATSC) A/53 standard, is a terrestrial, digital television distribution format, containing packetized audio, video, and Program System Information Protocol (PSIP) data. Equipment listed in this RFP shall be capable of decoding transport streams and/or encoded signals derived from the following standards:

- Asynchronous Serial Interface (ASI)
- Society of Motion Picture and Television Engineers (SMPTE) 310
- Society of Motion Picture and Television Engineers (SMPTE) 292
- Society of Motion Picture and Television Engineers (SMPTE) 259
- Society of Motion Picture and Television Engineers (SMPTE) ST-2022
- Vestigial Sideband modulation (8-VSB)
- Quadrature amplitude modulation (QAM)
Equipment shall be capable of decoding media files encoded in the following formats:

- Advanced video coding (H.264)
- High-efficiency video coding (H.265)
- Dolby AC-3 encoded audio material

The successful bidder shall supply all material, equipment, training, licensing, and warranty costs as specified in this RFP. Electronic documentation and/or access to the manufacturers’ support portals for all equipment specified in this RFP shall also be provided by the successful bidder.

The NJPBA does not require respondents to provide installation or integration costs for this RFP. Functional equivalent substitutions to items listed in this RFP are permitted and shall be listed under price line #2 in the RFP response sheet. Attachment A provides specifications for the equipment that the NJPBA intends to integrate into our network facilities.

All respondents shall provide a detailed description of their experience providing support and maintenance of the equipment listed in this RFP.

2. STATEMENT OF WORK

2.1 Cost Information

2.1.1 Itemized Costs (Priceline #1)
Respondents shall provide an itemized list of all costs associated with their proposals. The itemized list shall include the following details:

- Equipment shall be itemized with both unit and extended pricing listed. This information shall form the cost basis for adjustments if quantities change during the project.
- Permanent licensing shall be listed and included for all features described in Attachment A.
- Warranties (See section 2.2).
- The NJPBA is a New Jersey State agency and is not subject to sales tax.
- Respondents shall indicate in their proposals any buy-back or trade-in programs available to the NJPBA.
- Off-site fabrication, testing, and shipping preparation.
- Shipping expense and insurance.
- NJPBA staff training and manuals.

2.1.2 Alternative Equipment (Priceline #2)
Respondents are encouraged to submit alternates for equipment specifically called out in this RFP. However, it is the responsibility of the respondent to provide the technical specifications or any other information to prove that a substitute is equal to or better than the specified item. The NJPBA may require an on-site demonstration of a proposed alternative at the NJPBA’s TOC.

2.1.3 Training (Included in Priceline #1)
The NJPBA requires technical training to be provided through the phone, on-line, or on-site at the NJPBA’s TOC. The successful bidder shall furnish complete sets of training materials to all
NJPBA attendees. If possible, the training collaterals shall be specifically targeted to the class. The NJPBA expects the training to be provided within a mutually agreed upon time frame, contingent on availability of features that may be deliverable after the startup tasks have been completed.

2.1.3.1 Installation (Included in Priceline #1)
The NJPBA will install and integrate the equipment under the direction of technical representatives provided by the successful bidder. They will remotely support commissioning of the product(s) after installation by the NJPBA staff.

2.2 Hardware & Software Warranties

2.2.1 Hardware Support (Included in Priceline #1)
The successful bidder shall provide no-cost equipment support for one (1) year after the date of system acceptance by the NJPBA. The following warranty terms for each system shall be provided in coordination with the equipment or system manufacturers:

- Hardware support for one (1) year.
- Engineering phone support within two hours on a 24/7/365 basis after notification by the NJPBA of a hardware fault. (Since the NJPBA is a full-time television broadcast facility that provides information to State residents concerning health and safety, this support is of critical importance.)
- If through mutual consultation the problem cannot be remedied, the manufacturer shall ship prepaid, replacement equipment for arrival at TOC within 24 hours after joint determination of a hardware failure. The NJPBA will return the suspect equipment to the successful bidder freight collect.
- After the initial support period, the successful bidder shall offer an extended hardware support plan to the NJPBA with costs limited to that bidder’s “most favored customer” pricing. Respondents shall list this additional support period under RFP Priceline #3.

2.2.2 Software Support (Included in Priceline #1)
The successful bidder shall provide all released software and firmware upgrades to the NJPBA at no cost for one (1) year following the date of system acceptance by the NJPBA. The successful bidder shall negotiate with the equipment or system manufacturers the following warranty terms for each system:

- Software support for one (1) year.
- Software upgrades may be delivered on standard media such as CD-ROM disks, flash drives, or FTP sites.
- Upgrades shall include a written document including the following items: installation procedures, reasons for the upgrades, known bug lists, improvements, and enhancements in the new release.
- Following the no-cost support period, the manufacturer shall make ongoing upgrades available to the NJPBA either at no cost or on a reasonable basis consistent with the manufacturers’ other broadcast customers. Respondents shall list this extended support period under RFP Priceline #3.
2.3 Equipment Documentation

Product documentation shall be supplied with each component type listed in the RFP responses. Documentation shall include all published and electronic form of manuals available for every product, even if designated as additional cost options.

Printed documents shall be provided in pressboard binders, three-ring binders, or spiral bound form. Loose sheet publications shipped in cardboard boxes are not acceptable. If documentation is also available in electronic form, such as *.pdf or *.doc formats, two copies of an industry standard media (i.e., CD or DVD) containing all available documentation shall be furnished.

If any (supplied) hardware manufacturer maintains a secure BBS, FTP site, or HTTP server for customer service assistance or information dissemination, the successful bidder shall establish an account on behalf of the NJPBA and furnish user/password login data to the NJPBA for unlimited access to the site(s).

2.4 Technical Specifications

2.4.1 General Information
All equipment furnished by the successful bidder under this RFP shall be the latest model/release, unused, and shall meet or exceed all manufacturers’ published specifications applicable at the time of acquisition. No used, discontinued, or end-of-life models are to be offered. A majority of the equipment listed in Attachment A is currently in use and scheduled for replacement due to obsolescence or other factors. The NJPBA intends to minimize integration costs by replacing equipment which will provide the best match for systems in use.

Manufacturers may update or change equipment model numbers between the time this RFP was issued and the date that a contractor may place an order. Respondents shall quote the latest equipment/software release available or publicly announced at the time of proposal submission.

2.4.2
If available, all equipment furnished shall be supplied with redundant power supplies and fans.

2.4.3
All components shall mount in EIA-310 sized frames or fit on a shelf within an EIA-310 sized frame. Equipment depth shall not exceed 30 inches or 762 mm.

3. BID PROCESS, EVALUATION, AND AWARD

Pre-bid questions should be sent to Nichol R. Gee at nichol.gee@treas.nj.gov. All responses will be posted to our website at http://www.state.nj.us/treasury/njpba/proposal.shtml. Bidders are responsible for checking the website for updated information.
All bidders shall include in their proposal a signed copy of the attached Agency RFP form and companion documentation. Bid responses are due no later than 2:00 p.m. on Wednesday, September 16, 2020, to Nichol R. Gee at nichol.gee@treas.nj.gov.

The RFP responses will be evaluated by a committee that includes four (4) voting members made up of NJPBA staff. The RFP final review and award recommendation shall occur no later than September 30, 2020. The NJPBA will award the contract to that responsible bidder whose proposal is most advantageous to the State, with price, expertise, and other factors considered.
ATTACHMENT A

The successful bidder shall provide the following commercially available equipment, or a functional equivalent, capable of providing the features described in this RFP and listed below. This listing does not imply waiver of any specification or implicit acceptance.

Broadcast Monitoring System

The NJPBA requires one (1) broadcast monitoring system which logs, records, and alerts the NJPBA to closed captioning, PSIP, and CALM Act compliance violations, and the loss of any of the NJPBA’s two unique sets of Nielsen SID codes which may occur throughout our broadcast signal chain. Additional real-time alarms and logging shall be derived from quality of service monitoring for frozen, black, or loss of video or audio programming.

Alerts shall be provided through a secure socket layer (SSL) email or a simple network management protocol (SNMP) service.

The system shall automatically record and store a variety of digital resolution types with a flexible clip storage and purging schedule.

The successful bidder shall provide a fully licensed, twelve (12) channel VELA LUNA+ Turnkey System, or functional equivalent, with the following features: ITEMS 3810, 2822-CHP, 2810-SUPT-1, 2810-COMM-R.

System record/purge schedule shall meet or exceed the following specifications:

- Two (2) transport streams, each captured and stored for a minimum of 30 days.
- Five (5) SMPTE 292 programs, each captured and stored for a minimum of 30 days.
- Three (3) SMPTE 259 programs, each captured and stored for a minimum of 30 days.
- Two (2) TSOIP, each captured and stored for a minimum of 30 days.

System features shall include the following:

- Loudness compliance and logging on a minimum of four (4) program sources.
- PSIP compliance and logging on a minimum of four (4) program sources.
- Nielsen SID code monitoring and logging on a minimum of two (2) program sources.
- Closed captioning compliance and logging on all twelve (12) input sources.
- Remote access monitoring.
- Programmable alarms.
State of New Jersey
AGENCY REQUEST FOR PROPOSAL

VENDOR NAME AND ADDRESS: Nichol Gee
PO Box 777
Trenton, NJ 08625
FAX - 609-777-5400
nichol.gee@treas.nj.gov

RETURN THIS PROPOSAL TO: NJPBA
25 S. Stockton Street
Trenton, NJ 08608

DETERM TO:

NOTE: This proposal must be returned before 2:00 p.m. on the following date:
Wednesday, September 16, 2020

AGENCY PERSON TO CONTACT: Nichol Gee
AGENCY REF. NO.: 8/26/2020

FISCAL ACCOUNT NUMBER COST OBLIGATION COMMODITY DATE OF TYPING
YEAR ORG. FUND PROGRAM OBJECT CENTER NUMBER CODE
2021

IMPORTANT INSTRUCTIONS TO BIDDERS: Read the entire bid proposal terms and conditions, and specifications. Fill in all the information requested below. All bid prices must be typed or written in ink. Any corrections, erasures or other forms of alterations to unit and/or total prices must be initialed by the bidder. Upon completion, this proposal must be signed and returned to the address shown above. Unsigned proposals are unacceptable.

NOTE: THE TERMS AND CONDITIONS ARE PROVIDED UNDER A SEPARATE ATTACHMENT.

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<th>ITEM NO.</th>
<th>QUANTITY</th>
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<th>DESCRIPTION</th>
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<td>All-inclusive proposal price (including 1-year warranty)</td>
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<td>Alternative Equipment (provide a complete description of proposed equipment)</td>
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<td>Extended Warranty (optional)</td>
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PRICES ARE FIRM UNTIL THE FOLLOWING DATE: ____________________________
TOTAL: $ ____________________________

CASH DISCOUNT  DATE OF DELIVERY  VENDOR'S FEDERAL I.D. NUMBER  VENDOR'S TELEPHONE NO.

VENDOR'S SIGNATURE (MUST BE SIGNED): ____________________________
TITLE: ____________________________
DATE: ____________________________

FORM PB-120. REVISED 3-8-89