



State of West Virginia  
 Department of Administration  
 Purchasing Division  
 2019 Washington Street East  
 Post Office Box 50130  
 Charleston, WV 25305-0130

# Request for Quotation

RFQ NUMBER  
**EBA344**

PAGE  
**1**

ADDRESS CORRESPONDENCE TO ATTENTION OF  
**SHELLY MURRAY**  
**304-558-8801**

RFQ COPY

Nautel Inc.  
 201 Target Industrial Circle  
 Bangor, MA 04401

SHIP TO

EDUCATIONAL BROADCASTING  
 AUTHORITY  
 600 CAPITOL STREET  
 CHARLESTON, WV  
 25301-1223 304-558-3400

DATE PRINTED	TERMS OF SALE	SHIP VIA	FOB	FREIGHT TERMS
05/17/2011				

BID OPENING DATE: **06/16/2011** BID OPENING TIME **01:30PM**

LINE	QUANTITY	UOP	CAT. NO.	ITEM NUMBER	UNIT PRICE	AMOUNT
0001	1	LS		840-65		
<p>THE WEST VIRGINIA PURCHASING DIVISION, FOR THE AGENCY, THE WEST VIRGINIA EDUCATIONAL BROADCASTING AUTHORITY, IS SOLICITING BIDS FOR A NEW ANALOG RADIO TRANSMITTER PER THE ATTACHED SPECIFICATIONS.</p> <p>TECHNICAL QUESTIONS MUST BE SUBMITTED IN WRITING TO SHELLY MURRAY IN THE WEST VIRGINIA PURCHASING DIVISION VIA MAIL AT THE ADDRESS SHOWN AT THE TOP OF THIS RFQ, VIA FAX AT 304-558-4115, OR VIA E-MAIL AT SHELLY.L.MURRAY@WV.GOV. DEADLINE FOR ALL TECHNICAL QUESTIONS WILL BE 05/31/2011 AT THE CLOSE OF BUSINESS. ALL TECHNICAL QUESTIONS RECEIVED, IF ANY, WILL BE ADDRESSED BY ADDENDUM AFTER THE DEADLINE.</p> <p>TELEVISION TRANSMITTERS</p> <p>CANCELLATION: THE DIRECTOR OF PURCHASING RESERVES THE RIGHT TO CANCEL THIS CONTRACT IMMEDIATELY UPON WRITTEN NOTICE TO THE VENDOR IF THE COMMODITIES AND/OR SERVICES SUPPLIED ARE OF AN INFERIOR QUALITY OR DO NOT CONFORM WITH THE SPECIFICATIONS OF THE BID AND CONTRACT HEREIN.</p> <p>BANKRUPTCY: IN THE EVENT THE VENDOR/CONTRACTOR FILES FOR BANKRUPTCY PROTECTION, THIS CONTRACT IS AUTOMATICALLY NULL AND VOID, AND IS TERMINATED WITHOUT FURTHER ORDER.</p> <p style="text-align: center;">NOTICE</p>						

**RECEIVED**  
 2011 JUN 15 AM 10:51  
 WV PURCHASING DIVISION

SEE REVERSE SIDE FOR TERMS AND CONDITIONS

SIGNATURE	TELEPHONE	DATE
TITLE	FEIN	ADDRESS CHANGES TO BE NOTED ABOVE

WHEN RESPONDING TO RFQ, INSERT NAME AND ADDRESS IN SPACE ABOVE LABELED 'VENDOR'



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**2**

ADDRESS CORRESPONDENCE TO ATTENTION OF  
**SHELLY MURRAY  
 304-558-8801**

RFQ COPY  
 TYPE NAME/ADDRESS HERE

**NAUTEL, INC.  
 201 TARGET INDUSTRIAL CIR.  
 BANGOR, ME 04401**

**EDUCATIONAL BROADCASTING  
 AUTHORITY  
 600 CAPITOL STREET**

**CHARLESTON, WV  
 25301-1223 304-558-3400**

DATE PRINTED	TERMS OF SALE	SHIP VIA	FOB	FREIGHT TERMS
05/17/2011				

BID OPENING DATE: **06/16/2011** BID OPENING TIME **01:30PM**

LINE	QUANTITY	UOP	CAT NO	ITEM NUMBER	UNIT PRICE	AMOUNT
<p>A SIGNED BID MUST BE SUBMITTED TO:</p> <p>DEPARTMENT OF ADMINISTRATION            PURCHASING DIVISION            BUILDING 15            2019 WASHINGTON STREET, EAST            CHARLESTON, WV 25305-0130</p> <p>THE BID SHOULD CONTAIN THIS INFORMATION ON THE FACE OF THE ENVELOPE OR THE BID MAY NOT BE CONSIDERED:</p> <p>SEALED BID</p> <p>BUYER: SHELLY MURRAY</p> <p>RFQ. NO.: EBA344</p> <p>BID OPENING DATE: 06/16/2011</p> <p>BID OPENING TIME: 1:30 PM</p> <p>PLEASE PROVIDE A FAX NUMBER IN CASE IT IS NECESSARY TO CONTACT YOU REGARDING YOUR BID:</p> <p>----- <b>513 672-0600</b> -----</p> <p>CONTACT PERSON (PLEASE PRINT CLEARLY):</p> <p>----- <b>GARY LIEBISCH</b> -----</p>						

SEE REVERSE SIDE FOR TERMS AND CONDITIONS

SIGNATURE <i>Gary Liebisch</i>	TELEPHONE <b>513 576-6400</b>	DATE <b>6/14/2011</b>
TITLE <b>REGIONAL SALES MGR</b>	FEIN <b>01 0332714</b>	ADDRESS CHANGES TO BE NOTED ABOVE

WHEN RESPONDING TO RFQ, INSERT NAME AND ADDRESS IN SPACE ABOVE LABELED 'VENDOR'

## **EBA344 10 Killowatt FM Radio Transmitter**

The West Virginia Educational Broadcasting Authority operates a statewide Public Radio network. This project will place a new analog only service facility transmitting with 10,000 watts at 88.5 MHz on the FM band in Bluefield, W V. Specifications are included herein.

Note: If IBOC is added at a later date it will be accomplished with high level combining.

### **1. General Requirements**

- 1.1. Transmitter shall be FCC approved
- 1.2. Transmitter shall operate on single phase power
  - 1.2.1. transmitter shall operate with an input voltage of 180 ~ 250 VAC
- 1.3. Transmitter shall be air cooled
- 1.4. Transmitter shall be solid state, no tubes are allowed
- 1.5. Amplifier modules shall be interchangeable, with no tuning or adjustments required
- 1.6. Replacement modules shall not require soldering

### **2. Operating power**

- 2.1. Transmitter shall produce 10,000 watts of RF power at 88.5 MHz
  - 2.1.1. Output power shall be continually adjustable from 100 to 10,000 watts output
- 2.2. Transmitter shall be capable of full power operation for 24 hours a day, 365 days a year.
- 2.3. Transmitter cooling requirements shall be less than 2 tons (24000 BTU)

### **3. Transmitter shall protect itself from damage from:**

- 3.1. High temperature – Temperatures which approach a level that could result in permanent damage to the transmitter shall force the transmitter to reduce power and/or shut down before any damage can occur.
- 3.2. High reflected power (VSWR)
  - 3.2.1. Transmitter shall reduced power incrementally in high VSWR conditions
- 3.3. Loss of RF drive from the exciter
- 3.4. Loss of one side of AC feed

### **4. Exciter**

- 4.1. Exciter shall be provided with transmitter
- 4.2. Exciter shall be frequency agile
- 4.3. Exciter shall be able to operate directly into the antenna in the event of catastrophic transmitter failure
- 4.4. Exciter shall accept the following:
  - 4.4.1. AES/EBU digital input

- 4.4.2. Left and Right Analog input
  - 4.4.3. RBDS
  - 4.4.4. SCA
  - 4.4.5. GPS for frequency reference
  - 4.5. Exciter shall have the ability to switch between the digital and analog inputs to allow for an auxiliary audio feed
    - 4.5.1. Exciter shall be able to be switched by external control -- for instance, contact closure from remote control
- 5. Remote Control (Note- West Virginia Public Radio uses the LYNX remote control system statewide, and will use the same system for this installation)**
- 5.1. Transmitter shall display alarms and metering both locally and remotely
  - 5.2. Transmitter shall provide the following interfaces for remote control
    - 5.2.1. 0-5 VDC
      - 5.2.1.1. voltage
      - 5.2.1.2. current
      - 5.2.1.3. power output
      - 5.2.1.4. reflected power output
    - 5.2.2. Contact closure
      - 5.2.2.1. transmitter on
      - 5.2.2.2. transmitter off
      - 5.2.2.3. transmitter fault
    - 5.2.3. Control by contact closure
      - 5.2.3.1. RF on
      - 5.2.3.2. RF off
      - 5.2.3.3. Low Power
      - 5.2.3.4. Fault Reset
- 6. Start up**
- 6.1. transmitter shall be capable of operation within 20 seconds of application of AC voltage
- 7. Options**
- 7.1. The following options will not be part of the winning bid decision making. The options may or may not be purchased singularly or in total.
  - 7.2 Redundant Exciter
  - 7.3 Spare parts kit
    - 7.3.1 Kit shall include at minimum:
      - 7.3.1.1 Fuse kit with all fuses of the correct rating for each fuse in the transmitter
      - 7.3.1.2 Spare amplifier module- this can be a sub assembly which is installed in a heat sink carrier frame

7.3.1.2.1 If IPA modules are not identical and interchangeable with the PA modules then IPA modules will be provided

7.3.2 Other parts recommended by the manufacturer shall be listed separately

## **8 Warranty**

8.1 All products shall be warranted for a period of at least one year.

8.2 Bidders should state their warranty policy.

## **9 Support**

9.1 Vendor should provide toll-free phone support for all items for a minimum of five years.

## **10. Shipping and delivery**

10.1 Shipping charges shall be included in the equipment price and FOB destination receiving facility in Beaver, WV.

10.2 The receiving facility shall be WSWP-TV studios:

WV Educational Broadcasting Authority

124 Industrial Park Road

Beaver, WV 25813

Attn: Jeremy Scott

304-254-7840

## **11. Invoicing**

11.1 Invoices shall be itemized

11.2 Invoice shall be sent to:

Tammy Treadway

WV Educational Broadcasting Authority

PO Box 9004

Beckley, WV 25802-9004

304-254-7840

## EBA344 Pricing Page 10 KW FM Radio Transmitter

Shipping Cost shall be included in equipment costs.

Item	Description	Price
1	10 KW 88.5 MHz FM analog Transmitter	\$ <u>53,392.00</u>
TOTAL		\$ <u>53,392.00</u>

### OPTIONS

The following options will not be part of the winning bid decision making. The options may or may not be purchased singularly or in total.

<u>Item</u>	<u>Description</u>	<u>Price</u>
	Redundant Exciter	\$ <u>5,670.00</u>
	Spare parts kit - PA, PS-KIT, SITE KIT	\$ <u>1,179.00</u>

Other parts recommended by the manufacturer shall be listed separately

Manufacturer suggestion #1	3-PHASE SURGE PROTECTOR	\$ <u>711.00</u>
Manufacturer suggestion #2	UPS INTERFALE	\$ <u>510.00</u>
Manufacturer suggestion #3	NV FILTER KIT	\$ <u>150.00</u>
Manufacturer suggestion #4		\$ _____
Manufacturer suggestion #5		\$ _____

Signature of Vendor Representative submitting bid	Date
<i>Dary E. Holisch</i>	6/14/2011

RFQ No. EBA 344

STATE OF WEST VIRGINIA  
Purchasing Division

**PURCHASING AFFIDAVIT**

**West Virginia Code §5A-3-10a states:** No contract or renewal of any contract may be awarded by the state or any of its political subdivisions to any vendor or prospective vendor when the vendor or prospective vendor or a related party to the vendor or prospective vendor is a debtor and the debt owed is an amount greater than one thousand dollars in the aggregate.

**DEFINITIONS:**

"Debt" means any assessment, premium, penalty, fine, tax or other amount of money owed to the state or any of its political subdivisions because of a judgment, fine, permit violation, license assessment, defaulted workers' compensation premium, penalty or other assessment presently delinquent or due and required to be paid to the state or any of its political subdivisions, including any interest or additional penalties accrued thereon.

"Debtor" means any individual, corporation, partnership, association, limited liability company or any other form or business association owing a debt to the state or any of its political subdivisions. "Political subdivision" means any county commission; municipality; county board of education; any instrumentality established by a county or municipality; any separate corporation or instrumentality established by one or more counties or municipalities, as permitted by law; or any public body charged by law with the performance of a government function or whose jurisdiction is coextensive with one or more counties or municipalities. "Related party" means a party, whether an individual, corporation, partnership, association, limited liability company or any other form or business association or other entity whatsoever, related to any vendor by blood, marriage, ownership or contract through which the party has a relationship of ownership or other interest with the vendor so that the party will actually or by effect receive or control a portion of the benefit, profit or other consideration from performance of a vendor contract with the party receiving an amount that meets or exceed five percent of the total contract amount.

**EXCEPTION:** The prohibition of this section does not apply where a vendor has contested any tax administered pursuant to chapter eleven of this code, workers' compensation premium, permit fee or environmental fee or assessment and the matter has not become final or where the vendor has entered into a payment plan or agreement and the vendor is not in default of any of the provisions of such plan or agreement.

Under penalty of law for false swearing (*West Virginia Code §61-5-3*), it is hereby certified that the vendor affirms and acknowledges the information in this affidavit and is in compliance with the requirements as stated.

**WITNESS THE FOLLOWING SIGNATURE**

Vendor's Name: NAUTEL GARY E LIEBISCH

Authorized Signature: *Gary E Liebisch* Date: 6/14/2011

State of Ohio

County of Clermont, to-wit:

Taken, subscribed, and sworn to before me this 14 day of June, 2011.

My Commission expires 12/01, 2015.

AFFIX SEAL HERE

NOTARY PUBLIC

*Vicki L. Simpson*



VICKI L. SIMPSON  
NOTARY PUBLIC, STATE OF OHIO  
MY COMMISSION EXPIRES  
DECEMBER 1, 2015

# State of West Virginia **VENDOR PREFERENCE CERTIFICATE**

Certification and application\* is hereby made for Preference in accordance with *West Virginia Code*, §5A-3-37. (Does not apply to construction contracts). *West Virginia Code*, §5A-3-37, provides an opportunity for qualifying vendors to request (at the time of bid) preference for their residency status. Such preference is an evaluation method only and will be applied only to the cost bid in accordance with the *West Virginia Code*. This certificate for application is to be used to request such preference. The Purchasing Division will make the determination of the Resident Vendor Preference, if applicable.

1. **Application is made for 2.5% resident vendor preference for the reason checked:**  
 Bidder is an individual resident vendor and has resided continuously in West Virginia for four (4) years immediately preceding the date of this certification; **or,**  
 Bidder is a partnership, association or corporation resident vendor and has maintained its headquarters or principal place of business continuously in West Virginia for four (4) years immediately preceding the date of this certification; **or,**  
 Bidder is a nonresident vendor which has an affiliate or subsidiary which employs a minimum of one hundred state residents and which has maintained its headquarters or principal place of business within West Virginia continuously for the four (4) years immediately preceding the date of this certification; **or,**
2. **Application is made for 2.5% resident vendor preference for the reason checked:**  
 Bidder is a resident vendor who certifies that, during the life of the contract, on average at least 75% of the employees working on the project being bid are residents of West Virginia who have resided in the state continuously for the two years immediately preceding submission of this bid; **or,**
3. **Application is made for 2.5% resident vendor preference for the reason checked:**  
 Bidder is a nonresident vendor employing a minimum of one hundred state residents or is a nonresident vendor with an affiliate or subsidiary which maintains its headquarters or principal place of business within West Virginia employing a minimum of one hundred state residents who certifies that, during the life of the contract, on average at least 75% of the employees or Bidder's affiliate's or subsidiary's employees are residents of West Virginia who have resided in the state continuously for the two years immediately preceding submission of this bid; **or,**
4. **Application is made for 5% resident vendor preference for the reason checked:**  
 Bidder meets either the requirement of both subdivisions (1) and (2) or subdivision (1) and (3) as stated above; **or,**
5. **Application is made for 3.5% resident vendor preference who is a veteran for the reason checked:**  
 Bidder is an individual resident vendor who is a veteran of the United States armed forces, the reserves or the National Guard and has resided in West Virginia continuously for the four years immediately preceding the date on which the bid is submitted; **or,**
6. **Application is made for 3.5% resident vendor preference who is a veteran for the reason checked:**  
 Bidder is a resident vendor who is a veteran of the United States armed forces, the reserves or the National Guard, if, for purposes of producing or distributing the commodities or completing the project which is the subject of the vendor's bid and continuously over the entire term of the project, on average at least seventy-five percent of the vendor's employees are residents of West Virginia who have resided in the state continuously for the two immediately preceding years.

Bidder understands if the Secretary of Revenue determines that a Bidder receiving preference has failed to continue to meet the requirements for such preference, the Secretary may order the Director of Purchasing to: (a) reject the bid; or (b) assess a penalty against such Bidder in an amount not to exceed 5% of the bid amount and that such penalty will be paid to the contracting agency or deducted from any unpaid balance on the contract or purchase order.

By submission of this certificate, Bidder agrees to disclose any reasonably requested information to the Purchasing Division and authorizes the Department of Revenue to disclose to the Director of Purchasing appropriate information verifying that Bidder has paid the required business taxes, provided that such information does not contain the amounts of taxes paid nor any other information deemed by the Tax Commissioner to be confidential.

Under penalty of law for false swearing (*West Virginia Code*, §61-5-3), Bidder hereby certifies that this certificate is true and accurate in all respects; and that if a contract is issued to Bidder and if anything contained within this certificate changes during the term of the contract, Bidder will notify the Purchasing Division in writing immediately.

Bidder: \_\_\_\_\_ Signed: \_\_\_\_\_  
 Date: \_\_\_\_\_ Title: \_\_\_\_\_

\*Check any combination of preference consideration(s) indicated above, which you are entitled to receive.