

KANAWHA COUNTY COMMISSION

P.O. Box 3627
Charleston, WV 25336
(304) 357-0115

Request for Quotations

Re: Provide & Install Four (4) VHF Base Stations for the Kanawha County Commission

Date: March 8, 2012

Bid Opening: Bids must be received on or before Thursday, March 22, 2012, at 11:00 a.m. in the Kanawha County Commission Purchasing Department located at 407 Virginia Street, East, Third Floor, Room 229, Charleston, WV 25301

INSTRUCTIONS TO BIDDERS:

***PLEASE USE THIS COVER SHEET FOR YOUR BID**

1. Bids must be received in a sealed envelope with the date and time of the bid opening on the outside of the envelope. Faxed bids will not be accepted.
2. Bid must be F.O.B. Delivery Point, unless otherwise indicated in proposal.
3. All bids should be signed and in ink, showing all facts and the total amount of the bid.
4. The Kanawha County Commission reserves the right to accept or reject, in part or in whole any bid submitted, whichever is in the best interest of the Kanawha County Commission.

Item #	Description	Bid Amount
1	Provide & Install Four (4) VHF Base Stations per the Attached Specifications for the Kanawha County Commission	\$

Vendor Name: _____
Address: _____

Signature: _____
Date: _____
Telephone: _____

SPECIFICATIONS

KANAWHA COUNTY COMMISSION
CHARLESTON, WEST VIRGINIA

ITEM: Provide & Install Four (4) VHF Base Stations for the Kanawha County Commission

CONTACT: Jerie Whitehead Purchasing Director Kanawha County Commission P.O. Box 3627 Charleston, WV 25336 (304) 357-0115 jeriewhitehead@kanawha.us	Jeff Clark Kanawha County Commission Homeland Security & Emergency Mgmt 407 Virginia Street, East Charleston, WV 25301 (304) 357-0101
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The following are specifications for equipment and installation to replace aged public safety radio equipment, satisfying a federal deadline at the end of this year. The Public Safety Grant Committee voted to set aside funds for this work.

SCOPE: Provide and install four (4) VHF base stations at three tower sites.

VENDOR: Must be a factory-authorized service agent for the equipment they bid upon. Must agree to complete all work and have equipment in service no later than September 1, 2012. Must maintain in inventory a spare RF power amplifier, as described herein. Must install all equipment with best engineering practices, including grounding.

DURABILITY: Price must be good for 365 days from date of quote.

SCORING: Purchasing will be determined by scoring submitted proposals.

EQUIPMENT Base Stations

1. Base stations must be operational in the 150-160 MHz segment and capable of repeater or simplex operation.
2. Bids must be for new, out of the box equipment.
3. Must be fully compliant with FCC so-called narrowband requirements, including the ability to tune in 6.25 KHz steps or better.
4. Must be capable of separate transmit and receive CTCSS and DCS signals.
5. Should have a provision for integrating 12 volt battery backup which would immediately and without human intervention power the station in the event of failure of commercial power mains.
6. Must contain an accessory connection providing connection to the following signals, at a minimum:
 - a. Carrier-operated switch (COS)
 - b. Push-To-Talk (PTT)
 - c. Transmit audio input
 - d. Receiver audio output
 - e. Discriminator audio output
7. Provide cabling and hardware sufficient to connect to external control link transceivers and other station equipment, as necessary.

8. Must be capable of RF output power adjustment sufficient to drive an external power amplifier to licensed RF output.
9. Transceiver must be capable of 19" rack mounting and installed in a locking cabinet that includes space to rack-mount a RF power amplifier and power supply.
10. Transmitter shall be capable of operating at a 100% duty cycle.
11. Factory specifications shall assure receiver sensitivity at no worse than .3 μ v at 12db SINAD, .4 μ v at 20 db quieting.
12. Must be capable of companded audio.
13. Shall be capable of transmitting CW station identification at 20 wpm in carrier squelch mode.
14. Shall be capable of passing two tone paging signals purely.
15. Must include 5 copies programming software and five (5) sets of programming cables.

Power Amplifier

1. Vendor shall supply an outboard power amplifier, suitable for operation with the offered transceiver.
2. Must be capable of 100% continuous duty operation at 100 watts or greater.

OPTIONS

1. Two (2) six cavity, band pass/band reject duplexer, TX/RX 28-37-11E or better. Duplexer must be tuned before installation.
2. Up to four (4) receiver preselectors, tuned to frequencies provided by purchaser. Consideration will be given to tighter pass band. Devices must provide no less than 80db of out-of-band rejection.
3. RF and AC power lightning and transient suppression devices sufficient to protect all power and antenna connections on proposed equipment. Suppression equipment shall be installed per device manufacturers' instructions or best practices.

TERMS & CONDITIONS:

Real Estate and Personal Property Taxes: "No bid will be accepted or opened on any County contract if the vendor is listed on the last published list of delinquent real or personal property taxes in Kanawha County; however, the Commission will accept bids by vendors who provide satisfactory proof of payment of current taxes or a certification from the Sheriff that no taxes are due prior to submission of said bid."

Required Forms: Vendor shall complete and submit, or have on file with the County, a Vendor Registration and Disclosure Statement Form.

Once bids are unsealed, all bid documents become Public Record. The Kanawha County Commission reserves the right to reject any and/or all bids and to waive any informality in bidding.