



WYNDHAM VININGSSM

2857 PACES FERRY
ATLANTA, GA 30339

PH (770)432-5555 FAX (770)436-5558

FACSIMILE TRANSMITTAL SHEET

TO: JOHN ABBOTT / BETTY FRANCISCO FROM: Pete Rogell 321-431-6208

COMPANY: DPS DATE: 6-15-06

FAX NUMBER: 304-558-4115 TOTAL NO. OF PAGES INCLUDING COVER: 11

PHONE NUMBER:

RE: DPS 0660

URGENT FOR REVIEW PLEASE COMMENT PLEASE REPLY PLEASE RECYCLE

NOTES/COMMENTS:

THANKS!

Pete Rogell
321-431-6208

STATE OF WV
PURCHASING DIVISION
2006 JUN 15 P 1:21

RECEIVED



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
DPS0660

PAGE
1

ADDRESS CORRESPONDENCE TO ATTENTION OF
BETTY FRANCISCO 304-558-0468

PROPERTY

RFQ COPY
 TYPE NAME/ADDRESS HERE
 REM wireless
 7100 Technology Drive
 WEST Melbourne, FL
 32904
 321-953-7809
 Pete Rogell

SHIP TO

DEPARTMENT OF PUBLIC SAFETY
 4124 KANAWHA TURNPIKE

 SOUTH CHARLESTON, WV
 25309 746-2141

DATE PRINTED	TERMS OF SALE	SHIP VIA	FOB	FREIGHT TERMS
05/22/2006				

BID OPENING DATE: 06/15/2006 BID OPENING TIME 01:30PM

LINE	QUANTITY	UOP	CAT NO.	ITEM NUMBER	UNIT PRICE	AMOUNT
<p>REQUEST FOR QUOTATION</p> <p>THE PURCHASING DIVISION IS SOLICITING BIDS FOR AN OPEN END CONTRACT TO FURNISH A LOW BAND 100 WATT SOLID STATE BASE STATION TO THE WEST VIRGINIA STATE POLICE, COUNTY AGENCIES, AND MUNICIPALITIES.</p> <p>ATTACHMENTS: 1. SPECIFICATIONS 2. BID FORM 3. AFFIDAVIT</p> <p>QUESTIONS: WRITTEN QUESTIONS SHALL BE ACCEPTED THROUGH JUNE 7, 2006, 2:00 PM EASTERN. QUESTIONS MAY BE SENT VIA EMAIL (PREFERRED METHOD), USPS, FAX, COURIER, OR MAIL. IN ORDER TO ASSURE NO VENDOR RECEIVES AN UNFAIR ADVANTAGE, NO SUBSTANTIVE QUESTIONS WILL BE ANSWERED ORALLY. ADDRESS INQUIRIES TO: JOHN ABBOTT, SENIOR BUYER DEPARTMENT OF ADMINISTRATION PURCHASING DIVISION 2019 WASHINGTON STREET, EAST CHARLESTON, WV 25311 FAX: (304) 558-4115 EMAIL: JABBOTT@WVADMIN.GOV</p>						

SEE REVERSE SIDE FOR TERMS AND CONDITIONS			
SIGNATURE	TELEPHONE	DATE	
<i>Pete Rogell</i>	321-953-7809	6-15-06	
TITLE	FEIN	ADDRESS CHANGES TO BE NOTED ABOVE	
Product Mgr	350827418V		

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



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: **DPS0660**

PAGE: **2**

ADDRESS CORRESPONDENCE TO ATTENTION OF:
BETTY FRANCISCO
304-558-0468

RFQ COPY

TYPE NAME/ADDRESS HERE

RELM Wireless
7100 Technology Dr.
West Melbourne, FL 32904
321-953-7809
Pete Rogell

DEPARTMENT OF PUBLIC SAFETY
 4124 KANAWHA TURNPIKE

SOUTH CHARLESTON, WV
 25309 746-2141

DATE PRINTED	TERMS OF SALE	SHIP VIA	F.O.B.	FREIGHT TERMS
05/22/2006				

BID OPENING DATE: **06/15/2006** BID OPENING TIME **01:30PM**

LINE	QUANTITY	UOP	CAT. NO.	ITEM NUMBER	UNIT PRICE	AMOUNT
0001	1	EA		725-27	19,136.86	19,136.86
LOW BAND 100 WATT SOLID STATE BASE STATION						
***** THIS IS THE END OF RFQ DPS0660 ***** TOTAL:						19,136.86
DEVIATIONS: <u>SUB</u> SRV50 LB RELM/BK RADIO ① METERING - DIAGNOSTIC SOFTWARE PROGRAM ② AUDIO SPEAKER 1WATT ③ NO NOISE BLANKER ④ CTCSS DISABLE BY SOFTWARE ⑤ SPECIFICATION SHEET ATTACHED. Pete Rogell cell 321-431-6208						

SEE REVERSE SIDE FOR TERMS AND CONDITIONS

SIGNATURE: *Pete Rogell* TELEPHONE: **321-953-7809** DATE: **6-15-06**
 TITLE: **Product Mgr** FEIN: **350827418V** ADDRESS CHANGES TO BE NOTED ABOVE

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

Low Band 100 Watt Solid State Base Station Specifications

Purpose

The West Virginia State Police is requesting competitive bids for a Low Band (42-50 MHZ) Solid State Base Station as per the attached specifications. The contract shall be available for use by all other entities of state government, as well as counties and municipalities.

General Specifications

Station shall be mounted in an 84" aluminum rack. Service speakers for each receiver and a service microphone will be provided. Each speaker will be individually adjustable.

A 72" cabinet shall be available as an option, and listed on the bid form as a separate line item. The front and rear doors shall be removable, and both shall be capable of being locked with the same key.

Station shall be capable of a 100% transmit duty cycle (Continuous duty).

Station shall be capable of functioning from -30°C to +60°C. Station shall include full metering capability built into each cabinet. All metering shall take place at centralized metering sockets for the receiver and transmitters. Auxiliary receivers shall have the same capability, and metering shall be functional in these stations. If metering in the auxiliary receivers requires a "portable" test set, one shall be included. The metering test set shall not be a VTVM or equivalent, but rather a piece of test equipment capable of performing readings from a centralized metering jack by means of switch settings on the meter. Minimum metering shall include Forward & Reverse power measurement, Power supply voltage, and Receiver IF signal strength level.

Any and all programming and diagnostic software available shall be provided. Programming that is necessary shall take place from a Windows based computer. Any interfacing hardware necessary that is proprietary to the manufacturer shall be provided with each radio.

Installation and Service Manuals: A complete and comprehensive installation and instruction manual shall be supplied as part of the radio equipment, including all options. The manual shall provide complete service information, including theory of operation, schematics, layout drawings and parts list to permit quick and efficient maintenance or repair of the equipment by a technician.

Power Supply: Station shall be operated on 120 volts standard AC line voltage. The Power supply shall include lightning protection. Optional standby battery source power will be priced as an option, but not included in the standard station pricing.

Transmitter: Stations must be capable of delivering at least 100 watts RF to the output terminals of the transmitter when the output terminals are connected to an antenna or load with a nominal impedance of 50 ohms. Station shall be capable of operating on two frequencies to be specified at time of award. Transmitter shall operate at Full Specifications with a transmitter bandwidth not less than .25 MHz. Transmitter shall consist of all solid state components. Station shall have an output RF impedance of 50 ohms. Spurious and Harmonic Emission shall be -70 db or greater. Frequency stability shall be +0.0005% or better. Modulation deviation shall be +5 kHz. Audio distortion shall be less than 3%. Transmitter exciter shall be capable of transmitting a full 50 watts, and of being connected to allow independent operation of the exciter in continuous duty mode at full power in the event of failure of the power amplifier module.

Receiver: Receivers shall have single frequency capability with rated EIA 12dB SINAD of .251 microvolts or less. 20dB Quieting shall be achieved at .354 microvolts or less. Receivers shall have a modulation acceptance of +-7.5 kHz. Inter-modulation at 20kHz shall be -80 dB or better. Spurious and Image rejection shall be -90 db or better. Audio output shall be 5 watts with less than 3% distortion. Receivers shall have independent, programmable CTCSS decoders. It shall be possible to disable the [REDACTED]

Station shall have the capability for [REDACTED] All receivers shall be self contained and function independently of each other with regard [REDACTED]

[REDACTED] An [REDACTED] shall be employed to enable fully rated specification on each receiver with no degradation.

A [REDACTED]

Each receiver shall be provided with an independent speaker, which may be disabled while causing receiver output levels to remain unchanged. A [REDACTED]

Two receivers described above will be provided. As an option, two additional receivers may be added and [REDACTED] All circuitry for all four receivers will already be in place in the station, and the receivers will plug in and be [REDACTED]

[REDACTED] Utilization of the squelched 600 ohm receiver audio output is not acceptable.

These receivers shall be configured to operate in a priority arrangement, with all audio sources being available at one connection point with an impedance not lower than 600 ohms. The prioritization shall cause receivers to mute when a "higher level" unit is operating. Priority may be illustrated as follows:

- Recvr. 1 Priority 1 (muted only by transmitter)
- |
- Recvr. 2 Priority 2 (muted when Recvr. 1 or transmitter active)
- |
- Recvr. 3 Priority 3 (muted when Recvr. 1 or 2 or transmitter active) (Optional)
- |
- Recvr. 4 Priority 4 (muted when Recvr. 1, 2 or 3 or transmitter active) (Optional)

Control Circuitry: Station shall contain interfacing hardware to allow station to be utilized with 600 ohm telephones or connected to radio link type equipment, utilizing 600 ohm input and output circuits for audio connections. Station shall allow for transmit from a remote location.

Audio circuitry shall be provided for all receivers to be combined into a single 600 ohm audio output, prioritized as indicated.

OPTIONS:

[Redacted line]

[Redacted] (batteries not included)

[Redacted] (maximum two additional)

[Redacted line]

BID FORM - DPS0660 - LO-BAND SOLID STATE BASE STATION

ITEM DESCRIPTION	QTY.	UNIT PRICE
Low Band 100 Watt Solid State Base Station	1	\$ 19,136.86
84" Aluminum Rack	1	\$ 450
OPTIONS:		
250 Watt Transmitter - RF Output	1	\$ 7150.00
Battery Backup (batteries not included)	1	\$ 1500.00
Additional Receivers (Maximum purchase qty. = 2)	1	\$ 67,52.40
Mounted in 72" Cabinet	1	\$ 2900.00
Grand Total		\$ 37889.26

BIDDER / VENDOR INFORMATION:

Name: RELM WIRELESS
Address: 7100 Technology Drive
WEST MELBOURNE, FLORIDA 32904
Phone#: 321-953-7809
Email: PROGELL@RELM.COM

CONTRACT COORDINATOR INFORMATION:

Name: Pete Rogell
Address: 7100 Technology Drive
WEST MELBOURNE, FL, 32904
Phone#: 321-953-7809
Email: P.Rogell@RELM.COM

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RFQ No.

DPS0660

A F F I D A V I T

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 owned 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 exceeds 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.

LICENSING:

The vendor must be licensed in accordance with any and all state requirements to do business with the state of West Virginia.

CONFIDENTIALITY:

The vendor agrees that he or she will not disclose to anyone, directly or indirectly, any such personally identifiable information or other confidential information gained from the agency, unless the individual who is the subject of the information consents to the disclosure in writing or the disclosure is made pursuant to the agency's policies, procedures and rules. Vendors should visit www.state.wv.us/admin/purchase/privacy for the Notice of Agency Confidentiality Policies.

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

Vendor's Name: RELM WIRELESS

Authorized Signature: Pete Rogell Date: 6-15-06

**GENERAL TERMS & CONDITIONS
REQUEST FOR QUOTATION (RFQ) AND REQUEST FOR PROPOSAL (RFP)**

1. Awards will be made in the best interest of the State of West Virginia.
2. The State may accept or reject in part, or in whole, any bid.
3. All quotations are governed by the *West Virginia Code* and the *Legislative Rules* of the Purchasing Division.
4. Prior to any award, the apparent successful vendor must be properly registered with the Purchasing Division and have paid the required registration fee. (Effective June 8, 2006, the fee will change from \$45.00 to \$125.00 pursuant to House Bill 4031.)
5. All services performed or goods delivered under State Purchase Orders/Contracts are to be continued for the term of the Purchase Order/Contract, contingent upon funds being appropriated by the Legislature or otherwise being made available. In the event funds are not appropriated or otherwise available for these services or goods, this Purchase Order/Contract becomes void and of no effect after June 30.
6. Payment may only be made after the delivery and acceptance of goods or services.
7. Interest may be paid for late payment in accordance with the *West Virginia Code*.
8. Vendor preference will be granted upon written request in accordance with the *West Virginia Code*.
9. The State of West Virginia is exempt from federal and state taxes and will not pay or reimburse such taxes.
10. The Director of Purchasing may cancel any Purchase Order/Contract upon 30 days written notice to the seller.
11. The laws of the State of West Virginia and the *Legislative Rules* of the Purchasing Division shall govern all rights and duties under the Contract, including without limitation the validity of this Purchase Order/Contract.
12. Any reference to automatic renewal is hereby deleted. The Contract may be renewed only upon mutual written agreement of the parties.
13. **BANKRUPTCY:** In the event the vendor/contractor files for bankruptcy protection, this contract is automatically null and void, and is terminated without further order.
14. **HIPAA Business Associate Addendum -** The West Virginia State Government HIPAA Business Associate Addendum (BAA), approved by the Attorney General, and available online at the Purchasing Division's web site (<http://www.state.wv.us/admin/purchase/vro/hipaa.htm>) is hereby made part of the agreement. Provided that, the Agency meets the definition of a Covered Entity (45 CFR §160.103) and will be disclosing Protected Health Information (45 CFR §160.103) to the vendor.

INSTRUCTIONS TO BIDDERS

1. Use the quotation forms provided by the Purchasing Division.
2. **SPECIFICATIONS:** Items offered must be in compliance with the specifications. Any deviation from the specifications must be clearly indicated by the bidder. Alternates offered by the bidder as **EQUAL** to the specifications must be clearly defined. A bidder offering an alternate should attach complete specifications and literature to the bid. The Purchasing Division may waive minor deviations to specifications.
3. Complete all sections of the quotation form.
4. Unit prices shall prevail in cases of discrepancy.
5. All quotations are considered F.O.B. destination unless alternate shipping terms are clearly identified in the quotation.
6. **DUPLICATE BIDS:** All quotations must be delivered by the bidder to the respective offices listed below prior to the date and time of the bid opening. Failure of the bidder to deliver the quotations on time will result in bid disqualifications.

ORIGINAL SIGNED BID TO:

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

DUPLICATE BID TO:

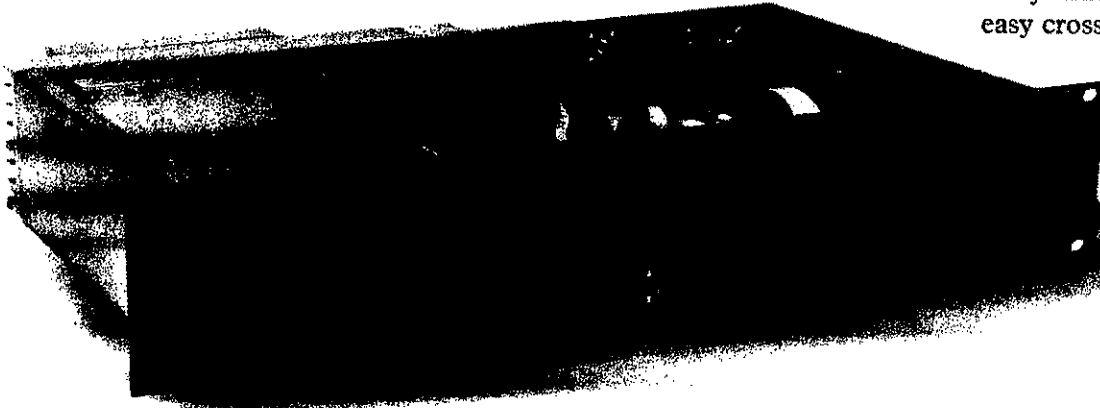
State Auditor's Office
Bid Observer
Building 1 Room W114
1900 Kanawha Boulevard, East
Charleston, WV 25305-0230

NOTICE: Beginning June 8, 2006, there is no need to submit a duplicate bid to the State Auditor's Office pursuant to House Bill 4031.

BK Radio S Series Base Station/Repeater

The smallest full-function transceiver in its class

- 255 channels, 5-50 watts, continuous duty
- Optional operating channels and fully-configurable hardware and software for special applications
- 30-870 MHz, available in 11 frequency ranges (220 MHz and 750 MHz also available)
- Rock-solid reliability
- Flex-Mode™ per-channel narrowband/wideband channel spacing
- Only 19" x 3.5" x 13", 19.8 pounds
- 13.8VDC (110/240VAC optional power supply)
- Low standby current – 195mA.
- Power and performance in a complete radio system
- Functions as conventional base station or stand-alone repeater, and as a trunked system with external controller
- Easy to customize for specific requirements – cross-banding, local control, your choice of external amplifiers, simplex change-over relay, CTCSS/CDCSS non-predictive decoder, channel bandwidth options
- Easy programming – Windows-based with multi-station control through a single RS232 port
- Remote monitoring, diagnostics and control functions – voltage, temperature, VSWR, transmit power, RSSI, VCO voltage
- Functionally-independent TX and RX for easy cross-banding
- Advanced modular construction provides wide switching bandwidths, good blocking, intermodulation, and adjacent channel operation

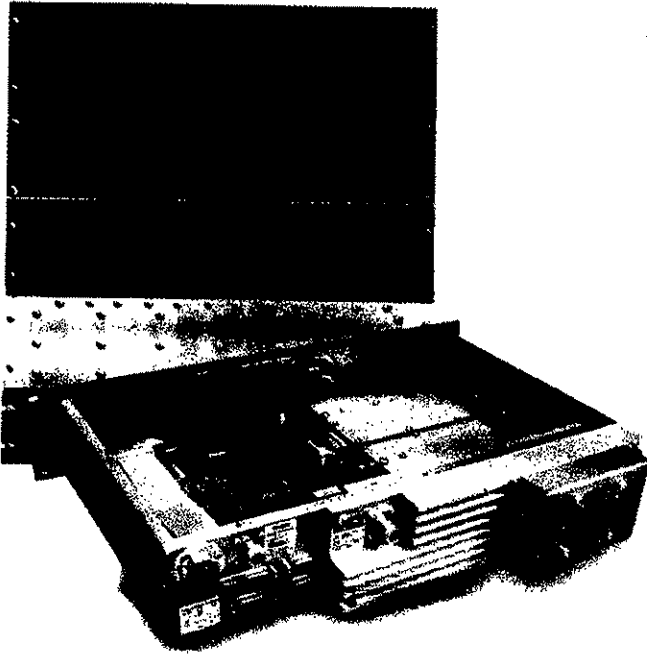


The BK Radio S Series is the smallest, full-spec analog base station/repeater in its class – and also the lowest cost. Its unmatched flexibility and full array of features, functions and options give you the ability to spec your own individual turnkey radio solution to match your specific needs and requirements.

Cross-banding, local control, variable RF and TX output, channel bandwidth options, CTCSS/CDCSS signaling, programmable linking, with external controller for trunked system, frequency, and power options are all at your control.

Fast mute action, fast TX and controlled soft key up, channel scan, and base Morse ID add even more to the unmatched functionality and versatility of the S Series Base Station/Repeater.

The S Series supports BK Radio, RELM/BK and RELM radios, and is designed and built for reliable, long-lasting performance and dependability.



> S Series

The smallest full-specification base station/repeater in its class, the BK Radio S Series transceiver (also supports RELM-brand radios) embodies advanced modular construction and streamlined design enabling robust features and options in a smaller package at lower cost. The S Series station functions as a base station or as a stand-alone repeater, built for long-lasting performance and rock-solid reliability.

- 30-870 MHz, available in 11 frequency ranges
- 255 channels, multiple bands
- Flex-Mode per-channel narrowband/wideband channel spacing
- 50 watts programmable RF power
- Community repeater

General Specifications	S Series
Frequency Range	30-50, 72-88, 135-160, 148-174, 195-225, 216-220, 400-435, 450-485, 485-520, 746-764, 806-870 MHz
Channel Capacity	255
Channel Spacing	12.5/15/25/50 kHz
Channel Increments	5/6.25 kHz
Secondary input power	110/220 VAC
Dimensions (HxWxD)	3.5 x 19 x 13
Weight	20 lbs.
Signaling	CTCSS, CTCSS
Voice Encryption	N/A
Remote Diagnostics	Yes
Operating Temperature	-30° to +60° C

S Series Options	
Programmable DCS/ CTCSS Encoder/Decoder	I/O with E and M Lead Simplex Change Over Relay
Balanced and Isolated VF AC Surge Kit	VF Audio Delay for Noiseless Mute
Bulk Head Lightning Protector	RX High Rejection 300HZ High Pass Filter
Tone Termination Panel	Cross banding Link Cable
Low Standby Current Drain	Programming Software
301 Hz Audio Delay	Cabinet Hardware
External Reference Input	external equipment
Local Speaker and Mic Input	Cross banding Link Cable
Local 99 Channel Control	
Voting Tone Generator	

Transmitter	S Series
RF Output	5-50 Programmable
Max. Duty Cycle	Continuous
TX Current Drain	11A
Frequency Stability	±1 ppm
Modulation	16K0F3E, 16K0F9W, 11K0F3E, 11K0F9W, 14K8F2D
Spurious/Harmonics	90 dB
FM hum and Noise	50/45 dB

Receiver	S Series
RX Current Drain: Standby	190 mA
RX Current Drain: Full Audio	450 mA
RX Frequency Stability	1 ppm
Selectivity	85 dB (Wide)/78 dB (Narrow)
Intermodulation	80 dB
Sensitivity	-120 dB SINAD
Audio response	-1/+3 dB
Audio distortion	-20