

SAN ANTONIO WATER SYSTEM
 P. O. BOX 2449
 SAN ANTONIO, TEXAS 78298-2449
TABULATION OF BIDS

13-1401

PROPOSAL **PURCHASE OF RADIO COMMUNICATION EQUIPMENT**
 FOR: **FOR INFORMATION SERVICES & SCADA MICROWAVE TRANSPORT PROJECT**
 TIME & **3:00 PM**
 DATE: **January 31, 2013**

DoubleRadius, Inc. 2022 Van Buren Ave. Indian Trail, NC 28079	Schneider Electric c/o Remote Data Solutions 18 Biscay PL The Woodlands, TX 77381	Communications Supply Corp. 8329 Cross Park Drive Austin, TX 78754	TESSCO Incorporated 11126 McCormick Rd. Hunt Valley, MD 21031	Hutton Comms, Inc. 2520 March Ln Carrollton, TX 75006
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ITEM NO.	DESCRIPTION AND APPROXIMATE QUANTITY					
ITEM	DESCRIPTION					
1	Group I. Point to Point Systems 5 each ExploreAir rc11100 HP 11 GHz High-power FCC & ITU/ETSI all-outdoor Gigabit Ethernet licensed system, 1x 10/100/1000 BaseT PoE, 100 Mbps expandable to 500 Mbps, Band 1 High TR 490/500 MHz,(Band edges: 11.200-11.400 GHz) Part No. E11E74H-0490H1	UNIT PRICE TOTAL	4,822.75 24,113.75	NO BID	NO BID	NO BID 5,171.04 25,855.20
2	5 each ExploreAir rc11100 HP 11 GH High-power FCC & ITU/ETSI all-outdoor Gigabit Ethernet licensed system, 1x 10/100/1000BaseT PoE, 100 Mbps expandable to 500 Mbps, Band 1 Low TR 90/500 MHz, (Band edges: 10.700-10.900 GHz) Part No. E11E74H-0490L1	UNIT PRICE TOTAL	4,822.75 24,113.75	NO BID	NO BID	NO BID 5,171.04 25,855.20
3	10 each EX-r Series GigE/ExtremeAir/ExploreAir HP AC Power Kit 130W. Either AC power kit or DC power kit must be ordered For ExtremeAir or ExploreAir HP Licensed . This is a SPARE ONLY for EX-r Series GigE. Part No. A206342	UNIT PRICE TOTAL	323.20 3,232.00	NO BID	NO BID	NO BID 340.00 3,400.00
4	30 each Upgrade Key 100 to 500 Mbps (11GHz: 40MHz/250Mbps; 80MHz/500Mbps), ExploreAir Licensed. Standard delivery is end of next business day (US Pacific Time) after order validation and acceptance by Exalt. Expedite fees may apply. Part No. K03BXXXX41	UNIT PRICE TOTAL	933.00 27,990.00	NO BID	NO BID	NO BID 2,550.00 76,500.00
5	10 each ExploreAir rc11100 11 GHz FCC & ITU/ETSI all-outdoor Gigabit Ethernet licensed system, 1x 10/100/1000BaseT PoE, 100 Mbps expandable to 500 Mbps, Band 1 High TR 490/500 MHz, Band edges: 11.200-11.400 GHz) Part No. E11E74I-0490H1	UNIT PRICE TOTAL	3,610.75 36,107.50	NO BID	NO BID	NO BID 3,746.13 37,461.30
6	10 each ExploreAir rc11100 11 GH FCC & ITU/ETSI all-outdoor Gigabit Ethernet licensed system, 1x 10/100/1000BaseT PoE, 100 Mbps expandable to 500 Mbps, Band 1 Low TR 490/500 MHz, Band edges: 10.700-10.900 GHz) Part No. E11E74I-0490L1	UNIT PRICE TOTAL	3,610.75 36,107.50	NO BID	NO BID	NO BID 3,746.13 37,461.30
7	20 each ExploreAir AC power kit, single terminal. Includes GbE PoE injector/72 W AC power adapter. THIS IS NOT A SPARE. Either AC power kit or DC power kit must be ordered. Part No. A204789	UNIT PRICE TOTAL	157.56 3,151.20	NO BID	NO BID	NO BID 165.28 3,305.60
8	30 each IX Series pole mounting kit Part No. IX-POLE-KIT	UNIT PRICE TOTAL	20.20 606.00	NO BID	NO BID	NO BID 14.29 428.70
9	60 each Exalt 10/100/1000BaseT PoE cable lightning and surge protection. Fast Ethernet and GbE, metal case, terminal jack. Part No. IXG-05	UNIT PRICE TOTAL	101.00 6,060.00	NO BID	NO BID	NO BID 85.71 5,142.60
10	30 each 3' 11Ghz dish antenna for Exalt PTP Part No. HP3-11EX	UNIT PRICE TOTAL	1,008.99 30,269.70	NO BID	NO BID	NO BID 999.25 29,977.50
11	30 each 3-year warranty extension, single terminal Part No. S002T04	UNIT PRICE TOTAL	242.40 7,272.00	NO BID	NO BID	NO BID 680.00 20,400.00
12	15 each Frequency Engineering & Frequency Coordination Part No. FCC App & Eng.	UNIT PRICE TOTAL	681.75 10,226.25	NO BID	NO BID	NO BID 1,000.00 15,000.00
TOTAL FOR GROUP 1			*	NO BID	NO BID	NO BID 280,787.40

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ITEM NO. DESCRIPTION AND APPROXIMATE QUANTITY

ITEM	DESCRIPTION

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ITEM	DESCRIPTION						
1	Group II. 900SS ETHERNET RADIO 30 each JR Ethernet Radio, 902-928MHz, ISM Band, 256-512k, FCC/IC, AES CSA License-free band 902 to 928 MHz (USA/Canada), 900MHZ : 256Kbps to 512Kbps , Encryption - approved for use within Canada, USA & Australia - export restrictions may apply for others, Hazardous Environment CSA Class 1 Div 2 <i>Part No. TBURJ-R900-00-002-E-H-O</i>	UNIT PRICE TOTAL	NO BID 772.50 23,175.00	NO BID 772.50 23,175.00	NO BID 772.50 23,175.00	NO BID 772.50 23,175.00	NO BID 772.50 23,175.00
	TOTAL FOR GROUP II		NO BID 23,175.00	*	NO BID 23,175.00	NO BID 23,175.00	NO BID 23,175.00
1	Group III. POINT TO MULTIPOINT (PMP) Radio Components 48 each Radio 4900-5850 MHz with built-in GPS receiver <i>Part No. 3KRR-G-G-T5X-GPS</i>	UNIT PRICE TOTAL	1,607.92 77,180.16	NO BID 1,607.92 77,180.16	NO BID 1,607.92 77,180.16	NO BID 1,607.92 77,180.16	NO BID 1,607.92 77,180.16
2	48 each Unlimited PMP Operation, <i>Part No. MSV-SC-512</i>	UNIT PRICE TOTAL	2,187.59 105,004.32	NO BID 2,187.59 105,004.32	NO BID 2,187.59 105,004.32	NO BID 2,187.59 105,004.32	NO BID 2,187.59 105,004.32
3	48 each PTP to PMP upgrade for security <i>Part No. SecurelinkPTP-SecurelinkSC</i>	UNIT PRICE TOTAL	151.51 7,272.48	NO BID 151.51 7,272.48	NO BID 151.51 7,272.48	NO BID 151.51 7,272.48	NO BID 151.51 7,272.48
4	48 each AC Power input/ <i>Part No. 80i-POE-1A</i>	UNIT PRICE TOTAL	80.12 3,845.76	NO BID 80.12 3,845.76	NO BID 80.12 3,845.76	NO BID 80.12 3,845.76	NO BID 80.12 3,845.76
5	48 each Heavy-duty for SC radio and antenna, includes 2x 16" RF cable assembly / <i>Part No. 3K-HD-MNT</i>	UNIT PRICE TOTAL	150.38 7,218.24	NO BID 150.38 7,218.24	NO BID 150.38 7,218.24	NO BID 150.38 7,218.24	NO BID 150.38 7,218.24
6	48 each 4900-5900 MHz, 90 degree, 14 dBi, 2ft (60cm) <i>Part No. A9014MTD</i>	UNIT PRICE TOTAL	447.83 21,495.84	NO BID 447.83 21,495.84	NO BID 447.83 21,495.84	NO BID 447.83 21,495.84	NO BID 447.83 21,495.84
7	48 each Type-B plug, applicable to North America, South America, Latin and Central America, the Caribbean <i>Part No. PPT-B</i>	UNIT PRICE TOTAL	1.31 62.88	NO BID 1.31 62.88	NO BID 1.31 62.88	NO BID 1.31 62.88	NO BID 1.31 62.88
8	15 each GPS Antenna Installation Kit includes: GPS Antenna, Pole Mount bracket and 6m coax (TNC-male) <i>Part No. 3K-GPS-ANT</i>	UNIT PRICE TOTAL	236.00 3,540.00	NO BID 236.00 3,540.00	NO BID 236.00 3,540.00	NO BID 236.00 3,540.00	NO BID 236.00 3,540.00
9	15 each Sync Cable Kit includes: 6m coax cable (TNC - male connectors) and TNC Tee connector <i>Part No. 3K-SYNC-CBL</i>	UNIT PRICE TOTAL	70.80 1,062.00	NO BID 70.80 1,062.00	NO BID 70.80 1,062.00	NO BID 70.80 1,062.00	NO BID 70.80 1,062.00
10	10 each Radio 4900-5850 MHz / <i>Part No. 3KRR-G-G-T5X</i>	UNIT PRICE TOTAL	1,151.05 11,510.50	NO BID 1,151.05 11,510.50	NO BID 1,151.05 11,510.50	NO BID 1,151.05 11,510.50	NO BID 1,151.05 11,510.50
11	10 each 100 Mbps Software license key / <i>Part No. MSV-SS-100</i>	UNIT PRICE TOTAL	452.35 4,523.50	NO BID 452.35 4,523.50	NO BID 452.35 4,523.50	NO BID 452.35 4,523.50	NO BID 452.35 4,523.50
12	10 each AC Power input / <i>Part No. 80i-POE-1A</i>	UNIT PRICE TOTAL	79.57 795.70	NO BID 79.57 795.70	NO BID 79.57 795.70	NO BID 79.57 795.70	NO BID 79.57 795.70

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ITEM NO. DESCRIPTION AND APPROXIMATE QUANTITY

ITEM	DESCRIPTION						
13	10 each For Terminal Unit radio, includes 2x 16" RF cable assembly / <i>Part No. 3K-LW-MNT-SS-02</i>	UNIT PRICE TOTAL	99.19 991.90	NO BID	NO BID	NO BID	NO BID
14	10 each 4900-5900 MHz, 14-inch, 23dBi, 8 degree <i>Part No. A2308MFD</i>	UNIT PRICE TOTAL	184.21 1,842.10	NO BID	NO BID	NO BID	NO BID
15	10 each Type-B plug, applicable to North America, South America, Latin and Central America, the Caribbean <i>Part No. PPT-B</i>	UNIT PRICE TOTAL	1.31 13.10	NO BID	NO BID	NO BID	NO BID
16	10 each PTP to PMP upgrade for security <i>Part No. SecurelinkPTP-SecurelinkSC</i>	UNIT PRICE TOTAL	151.51 1,515.10	NO BID	NO BID	NO BID	NO BID
17	10 each 4900-5850 MHz, 19 dBi Antenna, 100 Mbps <i>Part No. ELTE-MT-4958IA-KIT-02</i>	UNIT PRICE TOTAL	2,038.22 20,382.20	NO BID	NO BID	NO BID	NO BID
18	10 each 4900-5850 MHz, 19 dBi Antenna, 100 Mbps <i>Part No. ELTE-MT-4958IA-KIT-02</i>	UNIT PRICE TOTAL	79.65 796.50	NO BID	NO BID	NO BID	NO BID
19	10 each AC Power input / <i>Part No. 80i-POE-1A</i>	UNIT PRICE TOTAL	1.31 13.10	NO BID	NO BID	NO BID	NO BID
	TOTAL FOR GROUP III		* 269,065.38	NO BID	NO BID	NO BID	NO BID
1	Group IV. CABINETS 12 each Modified Comline OSP-Outdoor Cabinet, NEMA 3R. 50"H x 25"W x 34" D Cabinet. Overall size approx: 50" H x 25"W x 34" D. Continuously Welded and Ground smooth. Aluminum, 5052 H32 0.125" Thickness. AC Unit Cutout as specified, Front & Rear Door with Foam in Place Gasket. Door Stop to Hold Door during service for easier & faster maintenance. 3 Point Latch System. 2 Set of 19" Racks Angles (Adjustable). EIA Std holes. Rack angles tapped or Holes. Rack Angles adjustable front to rear of cabinet. 26 Rack Units. One removable Filter Panel per Door / (1) 1.25" Cable pass thru Hole on each Rail. Solar Shield. Finish: RAL 7035 Light-Gray. Lifting Brackets included. Additional installed components- Ground Bar 12 Position, Double Lug-Buss, Manufactured Waveguide Plate with Entry Port 4" Opening and hole seals <i>Part No. Hoffman-212RZ</i>	UNIT PRICE TOTAL	NO BID NO BID	NO BID	1,435.00 17,220.00	NO BID	NO BID
2	14 each McLean T290416G150 with Heater Package. 115 Volt. 50/60 Hz. Outdoor rated NEMA TYPE 4 rated RAL7035 Light-Gray Semi textured powder coat paint. <i>Part No. T290416G150</i>	UNIT PRICE TOTAL	NO BID 25,200.00	NO BID	1,800.00	NO BID	NO BID
3	7 each Base for 212RZ Optional installed component/ 12" Painted Plinth Base- Aluminum RAL7035 light. <i>Part No. Plinth Base-212RZ</i> **To be installed by manufacturer**	UNIT PRICE TOTAL	NO BID 1,680.00	NO BID	240.00	NO BID	NO BID
	TOTAL FOR GROUP IV		NO BID	NO BID	* 44,100.00	NO BID	NO BID
1	Group V. Miscellaneous Items 10 each Superior Essex 2500' Outdoor Rated, armored CAT5e shielded cable <i>Part No. 04-002-55-BBDGe</i>	UNIT PRICE TOTAL	668.76 6,687.60	NO BID	NO BID	1,342.65 13,426.50	

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ITEM NO. DESCRIPTION AND APPROXIMATE QUANTITY

ITEM	DESCRIPTION					
2	14 each Polyphase-Transrector: Weather proof connectors for the Thunderbolt surge protector (5 per pack) Part No. 1000-1334	UNIT PRICE TOTAL	121.23 1,697.22	NO BID	NO BID	90.86 1,272.04
3	68 each Polyphaser-Transrector: 1000BaseT, 48VDC Surge Suppressor, 1 Ethernet w/ Data on RJ45 Part No. 1101-1030	UNIT PRICE TOTAL	140.00 9,520.00	NO BID	NO BID	120.47 8,191.96
4	10 each 3 FOOT N-MALE JUMPER 1/2 INCH COAX Part No. EC4-NMNM	UNIT PRICE TOTAL	18.09 180.90	NO BID	NO BID	58.40 584.00
5	2000 each 7/8 INCH EUPEN FOAM COAX Part No. EC5-50A	UNIT PRICE TOTAL	2.29 4,580.00	NO BID	NO BID	2.02 4,040.00
6	20 each 7/8 EUPEN N-FEMALE CONNECTORS Part No. NF50V78MA	UNIT PRICE TOTAL	27.76 555.20	NO BID	NO BID	24.43 488.60
7	20 each 7/8 HOISTING GRIP Part No. HG-78	UNIT PRICE TOTAL	15.85 317.00	NO BID	NO BID	13.93 278.60
8	20 each 7/8 GROUND KITS Part No. GK-C78	UNIT PRICE TOTAL	14.14 282.80	NO BID	NO BID	12.44 248.80
9	30 each Polyphaser Bulkhead Arrestor, N/F Part No. IS-B50LN-C2	UNIT PRICE TOTAL	56.61 1,698.30	NO BID	NO BID	50.58 1,517.40
10	10 each 870-960 9dB Omni Antenna Part No. OGB9-915N	UNIT PRICE TOTAL	801.81 8,018.10	NO BID	NO BID	705.60 7,056.00
11	20 each 890-960 10dB Yagi Part No. TY-900	UNIT PRICE TOTAL	162.27 3,245.40	NO BID	NO BID	142.80 2,856.00
12	2000 each CNT-400 Low Loss Cable Part No. CNT-400	UNIT PRICE TOTAL	0.65 1,300.00	NO BID	NO BID	0.57 1,140.00
13	20 each Ground Kit for LMR-400 Part No. GK-S400TT	UNIT PRICE TOTAL	24.80 496.00	NO BID	NO BID	17.84 356.80
14	50 each N Male Crimp for LMR400 Part No. 82-340-1052	UNIT PRICE TOTAL	13.52 676.00	NO BID	NO BID	11.90 595.00
15	20 each CommScope 3', FSJ1-50B, N(M), TNC(M), JUMPERS Part No. FIB-PNMTM-3	UNIT PRICE TOTAL	49.30 986.00	NO BID	NO BID	43.39 867.80
16	30 each RHINO Power Supply, 12VDC, 15W, Encapsulated, Chassis Mount, Plastic Case Part No. PSE12-115 (Approved Equal is Mean Well MDR-20-12)	UNIT PRICE TOTAL	31.56 946.80	NO BID	NO BID	27.77 833.10

BID NOT TABULATED
DID NOT MEET
SPECIFICATIONS

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17	5 each 3M Premium Vinyl Electrical Tape [10-pack] 3/4" x 66' 8.5 mil <i>Part No. 054007-06143</i>	UNIT PRICE TOTAL	51.50 257.50	NO BID	NO BID	45.32 226.60	BID NOT TABULATED DID NOT MEET SPECIFICATIONS
18	10 each 3M Scotch Seal Mastic Tape Compound 1" x 10' 125 Mil <i>Part No. 2229-1X10</i>	UNIT PRICE TOTAL	10.52 105.20	NO BID	NO BID	9.26 92.60	
	TOTAL FOR GROUP V		* 41,550.02	NO BID	NO BID	44,071.80	
	GRAND TOTAL		TOTAL GROUP I, III, & V 519,865.05	TOTAL GROUP II 23,175.00	TOTAL GROUP IV 44,100.00	TOTAL GROUP V 44,071.80	TOTAL GROUP I & V 280,787.40
	Terms		Net 30	Net 30	Net 30	Net 30	Net 30
	Delivery Days						

* **LOW BIDDER/S**

BID INVITATIONS MAILED TO AND/OR PICKED UP BY:

Trico Tower Services
Alpha Omega Wireless Inc.
JTS
SAT Radio Communications dba INDUSTRIAL COMMUNICATIONS
Network Alliance
Avant Datacomm Solutions
WESCO DISTRIBUTION CENTER, INC
W.W. Grainger, Inc
SUPPLY INNOVATIONS CO. LLC
MEMCO SAFETY
MSC INDUSTRIAL CO.
EZLinx.net
COMMUNICATIONS SUPPLY CORPORATION

Winncom Technologies
Hutton Communications, Inc.
Walker and Associates, Inc.
Pratum Technologies Inc
Peacock Systems
Talley
CONVERGENCE TECHNOLOGIES
DOUBLE RADIUS
DATA CONNECT
UNIFIRST CORPORATION
Champion Communication Services, Inc.
TESSCO- Regan Pasko
GRAINGER
Neobits Inc.
Graybar