

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

PROPOSAL FOR: Purchase and Installation of Motorola Wireless Equipment
 TIME & (Date of Award through December 31, 2011)
 DATE: 3:00 p.m., June 21, 2011

ITEM NO. DESCRIPTION AND APPROXIMATE QUANTITY

ITEM NO.	DESCRIPTION AND APPROXIMATE QUANTITY	UNIT	PRICE	TOTAL	2,642.22	2,376.60	3,058.00
	PMP400 Access Equipment						
	7 ea. 4.9 GHZ Access Point (90 degree sector); 4940AP	UNIT	2,541.82	17,792.74	2,642.22	2,376.60	3,058.00
		PRICE			18,495.54	16,636.20	21,406.00
		TOTAL					
	1 ea. 5.8 GHz Access Point (5780APCUS)	UNIT	2,469.09		2,566.62	2,376.00	2,970.00
		PRICE					
		TOTAL					
	2 ea. CMM4 w/ruggedized switch & GPS module 1090CKBA	UNIT	1,600.00		1,663.20	1,496.00	1,925.00
		PRICE			3,326.40	2,992.00	3,850.00
		TOTAL					
	2 ea. DC surge suppressor for CMM, 200SSB	UNIT	25.45		26.46	23.80	30.00
		PRICE			52.92	47.60	60.00
		TOTAL					
	5 ea. Canopy surge suppressor, 600SSD	UNIT	21.82		22.68	20.40	26.00
		PRICE			113.40	102.00	130.00
		TOTAL					
	2 ea. 56 VDC power supply for CMM4, SGPN4076	UNIT	578.18		601.02	540.60	695.00
		PRICE			1,202.04	1,081.20	1,390.00
		TOTAL					
	PMP400 Subscriber Equipment						
	4 ea. 4.9 GHZ OFDM subscriber module, 4940SM	UNIT	814.77		903.42	812.60	1,045.00
		PRICE			3,613.68	3,250.40	4,180.00
		TOTAL					
	2 ea. 4.9 GHZ OFDM subscriber module (connectorized) 4940SMC	UNIT	814.77		903.42	812.60	1,045.00
		PRICE			1,806.84	1,625.20	2,090.00
		TOTAL					
	3 ea. 5.7 GHZ 40MBPS OFDM SM; 5790SM40	UNIT	575.00		678.89	610.64	785.00
		PRICE			2,036.67	1,831.92	2,355.00
		TOTAL					
	2 ea. Radio Wave SP1-4.7NS 24.6 DBI; SP1-4.7NS	UNIT	397.06		359.09	351.12	400.00
		PRICE			718.18	702.24	800.00
		TOTAL					
	3 ea. Canopy surge suppressor, 600SSD	UNIT	21.82		22.68	20.40	26.00
		PRICE			68.04	61.20	78.00
		TOTAL					
	8 ea. 56 VDC power supply, SGPN4063A	UNIT	25.45		26.46	23.80	30.00
		PRICE			211.68	190.40	240.00
		TOTAL					
	8 ea. US 56 VDC power supply line cord, SGKN4427A	UNIT	3.64		3.78	3.40	4.00
		PRICE			30.24	27.20	32.00
		TOTAL					
	3 ea. Canopy 110 VAC Power Supply (for 5790SM40) ACPSW-13B	UNIT	8.73		9.07	8.16	785.00
		PRICE			27.21	24.48	2,355.00
		TOTAL					
	PTP600 Equipment						
	6 ea. LPU end kit PTP400/600 (one per radio and one per GPS) WB2907	UNIT	218.18		226.80	147.84	262.00
		PRICE			1,360.80	887.04	1,572.00
		TOTAL					

Doublerradius
 2022 Van Buren Ave.
 Indian Trail, NC 28079

SAT Radio Communication
 Ltd.
 Dba Industrial Communications
 1019 E. Euclid Ave.
 San Antonio, TX 78212-4598

Major Inc., dba
 Rx Technology
 14220 Northbrook, Suite #500
 San Antonio, TX 78232

JTS
 5310 S. Cockrell Hill Road
 Dallas, TX 75236

CTS Consolidated Telecom
 Services, LLC
 12131 Jones Maltsberger Rd.
 San Antonio, TX 78247

**BID NOT TABULATED
 BID EXCEPTIONS**

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TABULATION OF BIDS

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ITEM NO.	DESCRIPTION AND APPROXIMATE QUANTITY	UNIT	Doublerradius 2022 Van Buren Ave. Indian Trail, NC 28079	SAT Radio Communication Ltd. Dba Industrial Communications 1019 E. Euclid Ave. San Antonio, TX 78212-4598	Major Inc., dba Rx Technology 14220 Northbrook, Suite #500 San Antonio, TX 78232	JTS 5310 S. Cockrell Hill Road Dallas, TX 75236	CTIS Consolidated Telecom Services, LLC 12131 Jones Maltzberger Rd. San Antonio, TX 78247
	2 ea. RD2 2' (ft) diameter, RADOMES, SP2 & SPD2, Series RWS-RD2	UNIT PRICE TOTAL	160.00 320.00	138.60 277.20	1,161.16 2,322.32	172.00 344.00	BID NOT TABULATED BID EXCEPTIONS
	2 ea. Radio Waves HPD3-4.7 3-Ft (0.9M), HP, 4.5-5.0 GH, RDH4517A	UNIT PRICE TOTAL	1,370.91 2,741.82	1,425.06 2,850.12	238.00 476.00	1,472.00 2,944.00	
	8 ea. PTP-SYNC, complete packed unit WB3665AA	UNIT PRICE TOTAL	254.55 2,036.40	264.60 2,116.80	238.00 1,904.00	306.00 2,448.00	
	1 ea. Trimble Timing Acutime Gold Starter Kit (Identical to Motorola STLN6594), Acutime Kit	UNIT PRICE TOTAL	980.00	1,058.40	968.75	993.00	
	1 ea. Polyphaser Surger Protector for Active GPS DGXZ+06NFNF-A	UNIT PRICE TOTAL	91.00	83.79	98.50	100.00	
	PTP800 Equipment	UNIT PRICE TOTAL	1,592.73 22,298.22	1,655.64 23,178.96	1,489.20 20,848.80	1,916.00 26,824.00	
	14 ea. PTP800 Modem 1000/100BaseT with capacity cap 10 Mbps; WB3480AA	UNIT PRICE TOTAL	984.37 13,781.18	945.00 13,230.00	850.00 11,900.00	1,093.00 15,302.00	
	14 ea. PTP800 Modem capacity cap - 150 Mbps (per unit); WB3543	UNIT PRICE TOTAL	1,543.27 7,716.35	2,122.85 10,614.25	1,909.44 9,547.20	2,457.00 12,285.00	
	5 ea. ODU-A 11GHZ, TR 490 & 500 , LO, B5 (10700.0 - 10890.0 MHZ) rectangular WG, Neg Pol; 01010208001	UNIT PRICE TOTAL	1,543.27 7,716.35	2,122.85 10,614.25	1,909.44 9,547.20	2,457.00 12,285.00	
	5 ea. ODU-A 11GHZ, TR 490 & 500, Hi, B5 (11200.0-11390.0 MHz) rectangular WG, Neg Pol; 01010208002	UNIT PRICE TOTAL	1,543.27 7,716.35	2,122.85 10,614.25	1,909.44 9,547.20	2,457.00 12,285.00	
	1 ea. ODU-A 11GHZ, TR 490 & 500, Lo, B6 (10855.0-11045.0 MHz) rectangular WG, Neg Pol; 01010208003	UNIT PRICE TOTAL	1,543.27	2,122.85	1,909.44	2,457.00	
	1 ea. ODU-A 11GHZ, TR 490 & 500, Hi, B6 (11355.0 - 11545.0 MHz) rectangular WG, Neg Pol; 01010208004	UNIT PRICE TOTAL	1,543.27	2,122.85	1,909.44	2,457.00	
	1 ea. ODU-A 23GHZ, TR1200, Lo, B5 (21200.0 - 21600.0 MHz), rectangular WG Neg Pol; 01010210005	UNIT PRICE TOTAL	1,543.27	2,122.85	1,909.44	2,457.00	
	1 ea. ODU-A 23GHZ, TR1200, Hi, B5 (22400.0 - 22800.0 MHz) rectangular WG, Neg Pol; 01010210006	UNIT PRICE TOTAL	1,543.27	2,122.85	1,909.44	2,457.00	
	2 ea. 1' HP Antenna, 21.20 - 23.60 GHz, single Pol, Mot Interface; 85010089011	UNIT PRICE TOTAL	465.45 930.90	483.84 967.68	504.44 1,008.88	560.00 1,120.00	
	6 ea. 2.6' HP Antenna 10.70 - 11.70 GHz, single Pol, Mot Interface 85010089003	UNIT PRICE TOTAL	1,243.64 7,461.84	1,292.76 7,756.56	1,202.99 7,217.94	1,496.00 8,976.00	

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ITEM NO.	DESCRIPTION AND APPROXIMATE QUANTITY	UNIT	Doublerradius	SAT Radio Communication Ltd.	Major Inc., dba Rx Technology	JTS
	6 ea. 3" HP Antenna 10.125 - 11.70 GHz, single Pol, Mot Interface 85009298003	PRICE TOTAL	1,222.26 7,333.56	1,386.00 8,316.00	1,299.38 7,796.28	1,444.00 8,664.00
	14 ea. 50 Ohm Braided Coaxial Cable - 75 meter, 30010194001	PRICE TOTAL	290.91 4,072.74	302.40 4,233.60	272.00 3,808.00	350.00 4,900.00
	14 ea. Coaxial Cable Installation Assembly Kit, (w/o LPU end kit) WB3616A	PRICE TOTAL	181.82 2,545.48	189.00 2,646.00	170.00 2,380.00	218.00 3,052.00
	14 ea. LPU end Kit PTP 800 (1kit required per coaxial cable) WB3657A	PRICE TOTAL	254.55 3,563.70	264.60 3,704.40	238.00 3,332.00	306.00 4,284.00
	14 ea. SFP SX Gig-E optical pluggable module 850 nm; 01010430001	PRICE TOTAL	72.73 1,018.22	75.60 1,058.40	68.00 952.00	87.00 1,218.00
	14 ea. PTP 800 CMU/PTP-SYNC 19-inch Rack Mount Installation Kit; WB3486A	PRICE TOTAL	54.55 763.70	56.70 793.80	51.00 714.00	65.00 910.00
	14 ea. AC-DC Power Supply Converter (no lead cable included); WB3622A	PRICE TOTAL	145.45 2,036.30	151.20 2,116.80	136.00 1,904.00	175.00 2,450.00
	14 ea. Mains Lead - US 3 pin to C5 (PTP 800 AC-DC PSU) WB3618A	PRICE TOTAL	7.27 101.78	7.56 105.84	6.80 95.20	9.00 126.00
	14 ea. Coaxial Cable Grounding Kits for 1/4" and 3/8" cable (one extra per run) 1010419001	PRICE TOTAL	18.91 264.74	19.66 275.24	17.68 247.52	25.00 350.00
	14 ea. 4' LMR400 Jumper NM NM (bottom LPU to CMU) 364793	PRICE TOTAL	19.08 267.12	22.45 314.30	32.25 451.50	25.00 350.00
	7 ea. FCC Microwave License Coordination Services (per licensed radio link) WB3659	PRICE TOTAL	727.27 5,090.89	756.00 5,292.00	680.00 4,760.00	875.00 6,125.00
	MISCELLANEOUS					
1.	3 ea. CAT5E Cable - 1000 ft. Reel - outdoor copper clad cable	PRICE TOTAL	287.27 861.81	351.75 1,055.25	268.60 805.80	345.00 1,035.00
2.	2 ea. CAT5E Connectors - package of 25	PRICE TOTAL	7.51 15.02	26.57 53.14	7.04 14.08	9.00 18.00
					Shipping and Performance Bond 5,195.00	
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	TOTAL FOR ITEM 1	TOTAL	134,001.58	146,834.44	137,767.81	170,439.00

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EQUIPMENT AT SITE								
1.	1 LS Menger Site; 4822 Vance Jackson, 78230	UNIT PRICE TOTAL	See Total	2,603.50	3,732.50	3,017.00		
2.	1 LS Indian Springs Site; 26120 Smithson Valley Rd., 78261	UNIT PRICE TOTAL	See Total	2,603.50	4,452.50	5,045.00		
3.	1 LS Wayland Site; 5994 Randolph Blvd., 78239	UNIT PRICE TOTAL	See Total	2,603.50	3,732.50	3,017.00		
4.	1 LS Austin Tank Site; 6227 Franklin Hwy, 78209	UNIT PRICE TOTAL	See Total	2,603.50	4,452.50	4,022.00		
5.	1 LS Seale Rd. Site; 254 Seale Rd., 78219	UNIT PRICE TOTAL	See Total	2,603.50	4,452.50	4,228.00		
6.	1 LS Broadview Site, 4027 Willowbrook, 78228	UNIT PRICE TOTAL	See Total	2,603.50	3,732.50	3,017.00		
7.	1 LS General McMullen Site; 3111 Ruiz, 78228	UNIT PRICE TOTAL	See Total	2,603.50	6,162.50	9,619.00		
8.	1 LS Cherry Street Site; 725 S. Cherry St., 78203	UNIT PRICE TOTAL	See Total	2,603.50	4,452.50	4,495.00		
9.	1 LS Grissom Tank Site; 7723 Grissom Rd., 78250	UNIT PRICE TOTAL	See Total	2,603.50	4,452.50	4,515.00		
10.	1 LS Medio Creek Tower Site; 2232 S. Hunt Lane, 78228	UNIT PRICE TOTAL	See Total	2,603.50	4,452.50	4,607.00		
11.	1 LS HQ Site; 2800 US Hwy 281 North, 78212	UNIT PRICE TOTAL	See Total	2,603.50	3,732.50	3,681.00		
12.	1 LS Hildebrand Tank Site; 643 E. Hildebrand Ave., 78212	UNIT PRICE TOTAL	See Total	2,603.50	4,452.50	3,700.00		

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ITEM NO.	DESCRIPTION AND APPROXIMATE QUANTITY	UNIT PRICE	DOUBLE RADIUS 2022 Van Buren Ave. Indian Trail, NC 28079	SAT Radio Communication Ltd. Dba Industrial Communications 1019 E. Euclid Ave. San Antonio, TX 78212-4598	Major Inc., dba Rx Technology 14220 Northbrook, Suite #500 San Antonio, TX 78232	JTS 5310 S. Cockrell Hill Road Dallas, TX 75236	CTS Consolidated Telecom Services, LLC 12131 Jones Maltsberger Rd. San Antonio, TX 78247
13.	1 LS Medio Creek Tower Site 2232 S. Hunt Lane, 78228	UNIT PRICE TOTAL	See Total	2,603.50	4,452.50	4,022.00	BID NOT TABULATED BID EXCEPTIONS
14.	1 LS Leon Creek, 1104 Mauerman Rd., 78224	UNIT PRICE TOTAL	See Total	2,603.50	5,892.50	12,440.00	
15.	1 LS Dos Rios 3495 Valley Rd., 78221	UNIT PRICE TOTAL	See Total	2,603.50	4,727.50	3,932.00	
16.	1 LS ASR 4588 Hardy Rd., 78112	UNIT PRICE TOTAL	See Total	2,603.50	5,172.50	4,022.00	
	TOTAL FOR ITEM 2	TOTAL	77,773.49	41,656.00	72,505.00	77,379.00	
	Terms		Net 30 days	Net 30 days	Net 30 days	Net 30 days	
	Delivery Days						

***LOW BIDDER**

BIDS WERE MAILED TO AND/OR PICKED UP BY:

Artcom Associates
 Cascade Networks
 Consolidated Telecom Services
 Crystal Communications
 Double Radius
 Granger Telecom
 Hutton Communications
 Industrial Communications
 JTS

KL Technologies
 Rx Technology
 S&P Communications
 SAT Radio Communications
 Talley, Inc.
 Texas Communications
 Trico Tower Service
 WesTower US
 Winncom Technologies

SAWS Website