



Custom Controls Technology, Inc

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Visit our Web site...www.cct-inc.com

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QUOTATION

TO: Carlos Orozco
City of Coral Gables
2800 SW 72nd Avenue
Miami, Florida 33155

DATE: August 2, 2024
QUOTE No.: Q0022873

JOB: CONTROL PANELS FOR CITY 4 & NORTH GABLES PUMPS STATIONS

Description	Qty.	Price ea.	Total
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Custom Controls Technology, Inc. will provide NEW control panels as per specifications provided by The City of Coral Gables and the following:

ITEM 1: PS-CITY 4: Submersible Panel, Duplex, 20HP, 240V, 3-PH, FLA:54, 25KA@240V

PART NO.	DESCRIPTION	QTY
84-80 01 59	MULTISMART MSM 3MP2PLUS+ 3 PUMP W/MTR PROT PLUS SOFT	1
108-DRU-24V40ABN	UPS - Uninterruptible Power Supplies DIN Rail Power Supply, DC-UPS Module, 24Vout, 40A, Metal Case, No Class I, Div. 2	1
2907918	PLT-SEC-T3-120-FM-UT - REPLACEMENT FOR OBSOLETE PN 2905228	1
49MARSR	Reset Button series 52 Furnas, Red. Single Unit	2
547-PS-1270	Sealed Lead Acid Batteries GEL-TYPE BATT 12V/7A	2
6-T-3H-508RPM-406	Electromechanical hour meter round 120VAC	5
ISD-PV7-MD	Intrinsically Safe Duplexer (for Back-up w/Miami Dade Water and Sewer Dept.)	1
785-BA-2RV-A2	Basic / Snap Action / Limit Switches SPDT 20A SNAP SW	2
8536SEO1V02S	STARTER 600VAC 90AMP NEMA 3 +OPTIONS	2
9001-KA1	SQD Contact Block N.C. N.O. NEMA Style Operator	2
9001-KA2	SQD Contact Block N.O. for NEMA Style Operator	5
9001-KA3	SQD Contact Block N.C. for NEMA Style Operator	8
9001-SKS46B	Non-Illuminated Selector Switch 3 positions with standard black knob.	2
9001SKP1	SQD Pilot 120Vac	7
9001SKP1R31	SQD Pilot 120Vac Red Lens Corrosion Resistant Plastic Fresnel	2
9001SKRIU	Push Button Operator Universal without contact block	3
9080LBA163206	Power Distribution Block 600V (2) #14-2/0 -- (6) #14-4	1
9080LBA362101	Power Dist. Block, 3pole, main (1) #14-2/0 , branch (1)#14-2/0	2
BSPD24DING	Bussmann 1 Phase Data Surge Protection Device, 24VDC	2
CA603R	UL Listed Surge Capacitor 600V three phase four wire.	1
CCT-2040	PMPU-B10 480 VAC Phase Monitor Relay- Phase Loss, Phase Reversal & Undervoltage	1
CTF-5SFT-0050	AcuAMP AC current transformer, solid core, 50A primary, 5A secondary, 1.56in diameter sensing window, 2% accuracy, M4 x 0.7 threaded terminal stud with nut	6
ECAT5-4PR-03-BLB	CAT 5E 3FT BLUE	1
GBPO1001-02-BLUB	Cable, Eth, CAT5, Blu, 1 End Shield, 2ft	3
GFRST20W	Duplex Receptacle GFI 20 Amps 125V 2 pole 3 wire	1
HDL36100	MOLDED CASE CIRCUIT BREAKER 600V 100A 3 poles	2
HDL36150	MOLDED CASE CIRCUIT BREAKER 600V 150A 3 poles	2
ISEUR1	INTRINSICALLY SAFE RELAY 1 CHANNEL 102-132V AC & 10-125V DC	2
JRSA1044FR	100A REC 4P4W, JL, 600V, REV, JB, ANG (SHIPPED LOOSE, INSTALLATION BY OTHERS)	1
KA25U	Ground Lug 14 STR. - 1/0 STR.	6
M9F42110	Circuit Breaker UL489 10 amps 1 pole curve C	1
PBLT2X-10-60	Submersible level transmitter, 10 psi pressure range, 60 feet of ETFE cable, intrinsically safe 23.09 ft	1
PK9GTA	GROUND BAR 9 POLE	3



PSG240E	Eaton power supply 240W 100-240VAC input/ 24VDC output	1
QCHW1015	Circuit breaker 1 poles 15 amps 240VAC 22kaic	1
QCHW1020	Circuit breaker 1 poles 20 amps 240VAC 22kaic	6
QCHW2020	Circuit breaker 2 poles 20 amps 240VAC 22kaic	1
RXM4AB3BD	Plug-In Relay, Plug-In Socket 4PDT 24VDC with LED, with socket	6
RXM4AB3F7	PLUG-IN RELAY 250V 6A RXM + LED NO MAN, with socket	11
S29354	Mechanical Interlock for Circuit Breakers with Toggle Handles	1
S29371	FIXED HANDLE PADLOCK DEVICE FOR H AND J FRAME BREAKERS	2
S50NO	Float Switch NO. 50FT cable	2
SCE-LF24	Fixture LED cabinet light 120VAC. 24"	1
SDSA2040D	SPD T1 SDSA 40KA 240V DELTA 3P3W	1
SE2-SW5U-T	STRIDE industrial unmanaged Ethernet switch, 5 ports, (5) RJ45 10/100 port(s), -40 to +75 deg C, metal housing, IP30, 35mm DIN rail mount, hazardous location rated.	1
USIX-120TC	Federal Signal Alarm Light-strobe light male pipe mount. 120VAC	1
TE-8812U	Timer multifunction 12-240VAC DPDT. 0.1sec-10 days.	3
W8404-A62H4812SS6LP-I2114	I2114 - NEMA 4X Submersible panel. No drain holes. Holes and cutouts as per conduit schedule. Floor leg mounting: welded on Legs, this is new revised design.	1
Z787	Z787 - Zener Barrier, Voltage, DC, with Diode Return, 2 Channel Input/Output, 28 V, -20 °C to 60 °C	3
1719-1003-ND	Sierra Wireless AirLink RV50X 1103052 LTE, HSPA+ Gateway Ethernet, RS-232, USB 700MHz, 800MHz, 850MHz, 900MHz, 1.7GHz, 1.8GHz, 1.9GHz, 2.1GHz, 2.5GHz, 2.6GHz	1
M3010020O1D0018	Ventev's TerraWave 698-2700 MHz 1/2/3.5 dBi omnidirectional antenna is designed for indoor wireless networks operating in the LTE, GSM, CDMA, PCS, 3G and Wi-Fi / WLAN frequency ranges. This antenna is designed for direct connection to cellular modems.	1
M3032034O21207	698-2690MHz 3.2/3.4 dBi Omni LTE Antenna with 2 NM	1
TW-LP-N-J-BHJ	TerraWave Lightning Arrestor 0-6 GHz for Surge Protection	1

Miscellaneous materials such as wire way, DIN Rails, terminal blocks, fuses, fuse blocks, wire marking, and labels are included.

Includes Interconnection setup to New SCADA System server. Panel installation is not included.

Parts in red shall be provided by the City of Coral Gables.

ITEM 2: NORTH GABLES PS: Control Panel, Quadraplex, 60HP, 480V, 3-ph, FLA: 77, 18KA@480V (not submersible)

PART NO.	DESCRIPTION	QTY
SE2-SW5U-T	STRIDE industrial unmanaged Ethernet switch, 5 ports, (5) RJ45 10/100 port(s), -40 to +75 deg C, metal housing, IP30, 35mm DIN rail mount, hazardous location rated.	1
DRU-24V40ABN	UPS - Uninterruptible Power Supplies DIN Rail Power Supply, DC-UPS Module, 24Vout, 40A, Metal Case, No Class I, Div 2	1
84-80 01 59	MULTISMART MSM 3MP2PLUS+ 3 PUMP W/MTR PROT PLUS SOFT	2
ISD-PV7-MD	Intrinsically Safe Duplexer (for Back-up w/Miami Dade Water and Sewer Dept.)	1
2907918	1 Phase Industrial Surge Protector, 0.95 kV, DIN Rail Mount	1
SBLT2-20-60	Submersible level transmitter, range 20 psi (46.18 ft wc) [14.08 m wc], 60 ft (18.3 m) polyurethane cable.	1
Z787	Z787 - Zener Barrier, Voltage, DC, with Diode Return, 2 Channel Input/Output, 28 V, -20 °C to 60 °C	1
2905026	MINI MCR-2-UNI-UI-2UI. Universally configurable 4-way signal duplicator, with plug-in connection technology for the electrical isolation and duplication of analog signals.	1
BSPD24DING	Bussmann 1 Phase Data Surge Protection Device, 24VDC	1
S20N11S07S64X	7.5KVA transformer Nema 4X SS316. 240 x 480 Volts to 120/240 Volts—Aluminum Windings	1
6-T-3H-508RPM-406	Electromechanical hour meter round 120VAC	5
49MARSR	Reset Button series 52 Furnas, Red. Single Unit	4
4V463	40W 130V-A19 Lamp	1
870P-N5	Edwards Signal Alarm Buzzer 120Vac. Weather Proof Panel Mount	1
9070T50D13	SQD 50Va Transformer 120V-/12-24Vac.	1
9070TF100D23	SQD Transformer 100Va 120/240 to 24 Vac Factory Installed Fusing	1
CA603	Delta 3 poles Secondary Protective Capacitor 120-600 V, for both single- and three- phase applications.	1
785-BA-2RV-A2	Basic / Snap Action / Limit Switches SPDT 20A SNAP SW	1
FS127	Flasher Alarm Beacon 120 Vac, 90 Fpm	1
GD100DG	RAB GD100DG 100W Diecast Guard	1
GL100R	RAB GL100R 100W Red Glass Globe	1
LDL36400U31X	MOLDED CASE CIRCUIT BREAKER 600V 400A	2
HDL36150	MOLDED CASE CIRCUIT BREAKER 600V 150A 3P 18KA	4
JRS1044FR	RS JRS1044FR 100A REC 4P4W J LINE 600V	1
KA25U	Ground Lug	4



PAS2095W	Duplex Receptacle GFI 20 Amps 125V 2 pole 3 wire	1
CCT2040	480 VAC Phase Monitor Relay- Phase Loss, Phase Reversal & Undervoltage with MOV protection	1
RXM4AB3F7	Plug-In Relay , Plug-In Socket 4PDT 120VAC with LED	12
RXM4AB3BD	Plug-In Relay , Plug-In Socket 4PDT 24VDC with LED	8
SDSA3650	SQD Lightning Arrestor 460Vac 3 Wires. (3XB87)	1
SCE-72EL7218SS6LPPL	Enclosure, NEMA 4X, 2DR, not to exceed 72"x72"x18", 316 SS, SS concealed hinge, black key locking padlocking handles, 3-point latching mechanism, 12-inch removable floor stands, with subpanel.	1
RXZE2S114M	RELAY SOCKET 300V 10A for 4PDT relay.	20
AD-55B/DRL	Astrodyne power supply battery charger includes trickle charge circuit 55W 27.6V (used for stations with MPE)	1
547-PS-1270	Sealed Lead Acid Batteries GEL-TYPE BATT 12V/7A	2
VBRI	RAB VBRI VP Wall Fixture WO/Globe	1
8536SFO1V02S	STARTER 600VAC 135AMP NEMA 4 +OPTIONS	4
S50NO	Float switch with 50Ft cable NO or NC	4
2924087	Phoenix MACX MCR-EX-SL-2NAM-RO-SP Intrinsically safe relay 2 channel , 24VDC.	2
1719-1003-ND	Sierra Wireless AirLink RV50X_1103052 LTE, HSPA+ Gateway Ethernet, RS-232, USB 700MHz, 800MHz, 850MHz, 900MHz, 1.7GHz, 1.8GHz, 1.9GHz, 2.1GHz, 2.5GHz, 2.6GHz	1
M3010020O1D0018	Ventev's TerraWave 698-2700 MHz 1/2/3.5 dBi omnidirectional antenna is designed for indoor wireless networks operating in the LTE, GSM, CDMA, PCS, 3G and Wi-Fi / WLAN frequency ranges. This antenna is designed for direct connection to cellular modems.	1
M3032034O21207	698-2690MHz 3.2/3.4 dBi Omni LTE Antenna with 2 NM	1
TW-LP-N-J-BHU	TerraWave TW-LP-N-J-BHJ - lightning arrester	1

Lot of selectors switches, push buttons, relays, build in load center with SQD QOU breakers and timers are included for the pump Panel to operate as per WASD specifications. Miscellaneous materials such as wire way, DIN Rails, Terminal Blocks, wire marking etc. are included. **Includes Interconnection setup to New SCADA System server. Panel installation is not included.** **Parts in red shall be provided by the City of Coral Gables.**



PRICING

<i>ITEM</i>	<i>Description</i>	<i>Qty</i>	<i>Labor @ CCT shop</i>			<i>Labor @ field</i>			<i>Total Labor</i>	<i>Materials</i>	<i>Total</i>
			<i>HH</i>	<i>Rate (\$/Hr)</i>	<i>SubTotal</i>	<i>HH</i>	<i>Rate (\$/Hr)</i>	<i>SubTotal</i>			
<i>1</i>	<i>City 4 - Submersible panel</i>	<i>1</i>	<i>65</i>	<i>\$42.00</i>	<i>\$2,730.00</i>	<i>0</i>	<i>\$105.00</i>	<i>\$0.00</i>	<i>\$2,730.00</i>	<i>\$44,860.00</i>	<i>\$47,590.00</i>
<i>2</i>	<i>North Gables - NEMA 4X panel</i>	<i>1</i>	<i>100</i>	<i>\$42.00</i>	<i>\$4,200.00</i>	<i>0</i>	<i>\$105.00</i>	<i>\$0.00</i>	<i>\$4,200.00</i>	<i>\$80,336.00</i>	<i>\$84,536.00</i>
										<i>Grand Total:</i>	<i>\$132,126.00</i>



OPTIONALS

ITEM 3: PRESSURE TRANSDUCER (FOR DISCHARGE HEAD)

PART NO.	DESCRIPTION	QTY
266HRHPRRA1L1S2N2SR12400	ABB HIGH PERFORMANCE GAUGE PRESSURE TRANSMITTER WITH REMOTE SEAL 266HRH.P.R.R.A.1.L1.S2.N2/S26KN.H.W.SL.N.1.S.N	1

PRICE FOR THE ABOVE (TAX IS NOT INCLUDED) \$3,880.00

ITEM 4: CONTROL JUNCTION BOX

PART NO.	DESCRIPTION	QTY
SPN4SS6-18248-WP	Enclosure NEMA 4X SS316 wall mount 18"Hx24"Wx8"D. subpanel included	1

PRICE FOR THE ABOVE (TAX IS NOT INCLUDED) \$2,500.00

ITEM 5: PUMPS MOTOR JUNCTION BOX

PART NO.	DESCRIPTION	QTY
SPN4SS6-18328-WP	Enclosure NEMA 4X SS316 wall mount 18"Hx32"Wx8"D. subpanel included	1

PRICE FOR THE ABOVE (TAX IS NOT INCLUDED) \$3,850.00

TERMS AND CONDITIONS:

PRICES ARE FIRM FOR 30 DAYS FROM ABOVE DATE.
 PRICES ARE F.O.B. FACTORY FOR ALL MATERIALS AND FINISHED PRODUCT.
 FREIGHT WILL BE PREPAID AND ADDED TO THE INVOICE.
 SALES TAX FOR THE STATE OF FLORIDA IS NOT INCLUDED AND WILL BE ADDED TO THE INVOICE IF THE CUSTOMER IS NOT TAX EXEMPT. A SALES TAX CERTIFICATE WILL BE REQUIRED.

PAYMENTS: NET 30 DAYS WITH APPROVED CREDIT

DELIVERY: SUBMITTALS DRAWINGS: 2-3 WORKING WEEKS A.R.O.
MATERIAL PROCUREMENT: 8-10 WORKING WEEKS AFTER SUBMITTALS APPROVAL
MANUFACTURING: 2-4 WORKING WEEKS AFTER RECEIVING MATERIALS.

TOTAL ESTIMATED LEAD TIME: 12-17 WORKING WEEKS + SUBMITTALS APPROVAL TIME. (SUBJECT TO MATERIALS AVAILABILITY)

THERE WILL BE A 1.5% FINANCE CHARGE ON ALL PAST-DUE ACCOUNTS. THIS QUOTE REPLACES ANY PREVIOUS VERBAL OR WRITTEN QUOTE. WRITTEN P.O. IS REQUIRED OR CONFIRMATION OF THIS QUOTE.

As we are all aware, COVID-19 has impacted and is expected to continue to impact all levels of the supply chain for the near future. The resulting product shortages, manufacturing delays, increased lead times and costs, shelter-in-place orders, border closures, and reallocations of supply by national, local, and foreign governments, among others, are all unforeseeable events outside of our control. Moreover, the ultimate duration and scope of these and other still unknown effects remain unclear. Accordingly, we must treat this pandemic as a force majeure event, which means that, for example, prior approaches, terms, conditions, commitments, and/or schedules, among others, may in certain circumstances require adjustment as we work together to navigate and mitigate the effects of this pandemic.

In the event of litigation arising from these services, quotation or this agreement, the prevailing party shall be entitled to the award of a reasonable attorney fee as part of the cost of litigation, at both trial and appellate courts.
 Venue shall be laid exclusively in MIAMI-DADE County.

We trust the above is in accordance with your requirements and is sufficient to permit you to proceed with procurement of this equipment. If you have any questions, please do not hesitate to call us.

Sincerely,
 Edgar Bermudez
 Sales Engineer