



CITY OF AZTEC  
REQUEST FOR QUOTATION  
RFQ #2019-704

DATE:	6/6/2019	RETURN TO: CITY OF AZTEC ELECTRIC DEPARTMENT ATTN: G. RAYMOND 201 W CHACO, AZTEC NM 87410	THIS IS NOT AN ORDER
RFQ #:	2019-704	EMAIL: <a href="mailto:graymond@aztecnm.gov">graymond@aztecnm.gov</a>	
DUE DATE:	6/17/2019	PHONE: (505) 334-7667	
TIME:	3:00 PM	FAX: (505) 334-7684	
NIGP CODE(S):	285-00, 287-00		

NAME OF COMPANY SUBMITTING QUOTE: \_\_\_\_\_

NEW MEXICO RESIDENT PREFERENCE	PAYMENT TERMS	DELIVERY/SERVICE ADDRESS
# _____  <u>New Mexico Resident or Veteran Preference will be applied to only those certified vendors who have included both number (written above) AND attach current certificate.</u>	_____ % _____ DAYS  NET 30 DAYS AFTER RECEIPT OF INVOICE	402 S Light Plant Road Aztec NM 87410
		<b>FOB DESTINATION</b>

**NOTES TO BIDDERS:** Specification details are attached; equivalent substitutions will not be accepted. All items must be included in vendor quote.

ITEM #	DESCRIPTION	QTY	UNIT	PRICE PER UNIT	TOTAL	INSTALLATION SCHEDULE AFTER VENDOR RECEIPT OF BATTERIES & RACK
1	C&D Type TEL6-180 Series Front Access Valve regulated lead acid batteries	20	EA			
2	Battery Rack, may not exceed 43" in width. Battery rack supports battery charger, see attached pictures. City will retain old rack.	1	EA			
3	Installation of new batteries and disposal of old batteries. Remove existing batteries and replace with new batteries. Contractor is responsible for disposal of old batteries. <u>Provide scope of work details for installation with quote.</u> Pictures of current location of batteries are attached.	1	LS			
4	Freight Costs	1	LS			

Refer all questions regarding this Request for Quotation to Geri Raymond at (505) 334-7667 or email [graymond@aztecnm.gov](mailto:graymond@aztecnm.gov)

DATE OF QUOTE	
SUBMITTED BY (Printed Name)	
SIGNATURE (To be valid offer, bidder must sign here)	
COMPANY NAME	
ADDRESS	
TELEPHONE	
FAX	
EMAIL ADDRESS	
FED TAX ID NUMBER	
NM CRS ID NUMBER	

- RFQ shall be FOB Destination and must indicate normal lead time and/or best delivery date on the items listed. Shipping costs shall be included in quote.
- This RFQ and any required documents must be received by the Department indicated on the RFQ by the date and time indicated. RFQ's may be submitted via email, fax or USPS.
- All supplies and components quoted shall be new unless indicated otherwise. Any quotes submitted for used or reconditioned supplies or components will be considered non-responsive. Quotes must be valid for a minimum of 30 days.
- The RFQ Number shall appear on all quotations and related correspondence.
- New Mexico Resident & Veteran Vendor Preference: Preference will only be applied to those Bidders who have been issued a certification number from the State of New Mexico Taxation & Revenue Department and return a copy of their certificate with their quote. Veterans Preference is separate from the New Mexico resident preference and is not cumulative with that preference.
- Use of Contract by Other Agencies: Pursuant to Section 13-1-129, NMSA 1978, Bidders /Contractors /Offerors are hereby notified that any central purchasing office allowed by law and as otherwise allowed by their respective governing rules and regulations, may contract for the goods and/or services included in this procurement document with the awarded Bidder /Contractor /Offeror. Contractual engagements accomplished under this provision shall be solely between the Bidder /Contractor /Offeror and the contracting entity with no obligation by the City of Aztec.
- By law (Section 13-1-191, NMSA, 1978) the City is required to inform Vendors of the following: (1) it is a third-degree felony under New Mexico law to commit the offense of bribery of a public officer or public employee (Section 30-24-1, NMSA, 1978); (2) it is a third- degree felony to commit the offense of demanding or receiving a bribe by a public officer or public employee (Section 30-24-2, NMSA, 1978); (3) it is a fourth-degree felony to commit the offense of soliciting or receiving illegal kickbacks (Section 30-41-1, NMSA,1978); (4) it is a fourth-degree felony to commit the offense of offering or paying illegal kickbacks (Section 30-41-2, NMSA, 1978).
- Conflict of Interest: Bidder warrants that it presently has no interest and will not acquire any interest, direct or indirect, which would conflict in any manner or degree with the performance of service under this contract. Bidder must notify the City's Chief Procurement Officer if any employee(s) of the requesting department or the Purchasing Office have a financial interest in the Bidder. If yes, the Bidder must specify the employee(s) name in their proposal.
- Debarment, Suspension, and Ineligibility: By submitting a response (RFQ/Bid/Offer) to this solicitation, the business (Bidder /Offeror /Contractor) represents and warrants that it is not debarred, suspended, or placed in ineligibility under the provisions of Federal Executive Order 12549.



# LONG DURATION SERIES

## TEL SERIES

Valve Regulated Lead Acid (VRLA) Battery Series  
Designed for Telecom Power Applications



### APPLICATIONS

- Customer Premise
- Broadband
- Wireless
- PBX
- Repeaters
- Fixed Wireline

### FEATURES & BENEFITS

- Telecordia certified life exceeding 10 years.
- Telecordia tested and qualified to meet all SR-4228 requirements.
- Flame-arresting, one-way pressure-relief vent for safety and long life.
- Thermally welded case-to-cover bond to ensure a leak-proof seal.
- Flame-retardant polypropylene case and cover compliant with UL94 V-0 with an Oxygen Limiting Index of greater than 28.
- Absorbent Glass Mat (AGM) technology for efficient gas recombination 99% plus.
- Complies with UL1778, 924, 1989 and 94 V-0.
- UL-recognized component.
- Can be used in any orientation. Upright, side or end mounting recommended.
- Low-profile terminals with threaded copper alloy inserts for reduced height, reduced maintenance and increased safety.
- Front Access threaded copper alloy inserts on TEL12-105FS.
- Multicell design for ease of installation and maintenance.
- Not restricted for air transport - Classified as non-hazardous material, complies with IATA/ICAO Special Provision A67.
- Not restricted for surface transport - Classified as non-hazardous material, complies with DOT-CFR Title 49 parts 171-189.
- Not restricted for water transport - Classified as non-hazardous material, complies with IMDG exception 238.

### TECHNICAL DATA

Model	#Cells/Voltage	Ampere Hour Capacity @ 77°F (25°C)														Weight lbs	Weight kg
		Operating Time (in hours) to 1.75 Volts Per Cell															
		1	2	3	4	5	6	7	8	10	12	20	24	72	100		
TEL12-30 (*SLC)	6 Cells / 12 Volts	22.1	25.9	27.6	28.6	29.1	29.5	29.9	30.4	31.1	31.8	33.0	33.2	33.8	34.0	27.3	12.4
TEL12-45 (*SLC)	6 Cells / 12 Volts	31.5	37.0	39.6	41.0	42.3	43.4	44.4	45.5	46.9	47.8	50.0	50.4	51.8	52.0	40.6	18.4
TEL12-70	6 Cells / 12 Volts	46.8	55.0	59.5	62.2	64.3	66.0	67.5	69.1	71.0	72.1	75.0	75.6	77.8	78.0	55.8	25.3
TEL12-80 (*SLC)	6 Cells / 12 Volts	53.8	63.0	67.8	70.0	72.5	75.0	77.0	79.0	81.4	83.0	88.0	88.3	91.0	92.0	66.6	30.2
TEL12-90	6 Cells / 12 Volts	60.0	69.6	75.0	79.0	81.0	83.7	85.8	87.6	90.8	93.5	100.0	101.0	103.5	104.0	74.5	33.8
TEL12-105FS**	6 Cells / 12 Volts	66.3	77.6	84.6	89.2	92.5	95.4	98.0	100.0	102.0	104.2	109.0	110.4	118.0	119.0	84.9	38.5
TEL12-125	6 Cells / 12 Volts	87.5	98.0	108.0	113.6	118.0	121.2	123.5	126.0	128.0	130.0	134.8	136.3	144.7	146.0	102.3	46.4
TEL6-180	3 Cells / 6 Volts	120.0	137.0	150.0	156.8	162.0	168.0	172.2	175.5	181.0	186.5	200.0	201.6	207.4	208.0	74.5	33.8

\* (SLC) battery includes cable assembly

\*\* TEL12-105 FS replaces TEL12-105 F. The TEL 12-105 FS is 0.56 inches (14.33 mm) shorter than the TEL12-105 F.

# SPECIFICATIONS

Operating Temperature Range with Temperature compensation	Discharge: -40°F (-40°C) to +160°F (71°C) Charge: -10°F (-23°C) to +140°F (60°C)
Nominal Operation Temperature Range	+74°F (23°C) to +80°F (27°C)
Recommended Maximum Charging Current Limit	C/5 amperes @ 20 Hr rate @ 77°F (25°C)
Float Charging Voltage	13.5 to 13.8 average per 12V unit (6.75 to 6.90 per 6V unit) @ 77°F (25°C)
Maximum AC Ripple (Charger)	AC Ripple Voltage - 0.5% RMS or 1.5% P-P of float charge voltage recommended for best results. AC Ripple Current - Max current allowed = C/20 AMPS RMS (5 AMPS RMS Per 100Ah)
Self Discharge	Battery can be stored up to 6 months at 77°F (25°C) before a freshening charge is required. Batteries stored at temperatures greater than 77°F (25°C) will require recharge sooner than batteries stored at lower temperatures. See C&D bulletin 41-7272, Self-Discharge and Inventory Control for details.
Equalize charge and cycle service voltage	14.40 to 14.80 VDC average per 12V unit @ 77°F (25°C); 7.20 to 7.40 VDC per 6V unit
Terminal Inserted	Threaded copper alloy insert terminal to accept: 10-32 UNF 3/8 inch long screws for: TEL12-30, TEL12-30SLC, TEL12-45 & TEL12-45SLC) 1/4-20 UNC 3/4 inch long screws for: TEL12-70, TEL12-80, TEL12-80SLC, TEL12-90, TEL12-105FS, TEL12-125 & TEL6-180.
Inserted Copper Alloy Terminal Hardware Initial Torque	30 in.-lbs. (3.4 N-m) for 10-32 hardware 110 in.-lbs. (12.4 N-m) for 1/4-20 hardware
Inter-unit Connector	Included with the TEL12-105FS
Terminal Protectors	UL94 V0 Terminal protectors available

# DIMENSIONS

Model	Dimensions						Battery Termination			
	A	B	C	D	E	F	TEL12-30(SLC)	TEL12-45(SLC)	TEL12-70	TEL12-80(SLC)
TEL12-30 (*SLC)	7.77 (197.4)	7.54 (191.4)	5.19 (131.9)	5.02 (127.6)	6.52 (165.7)	6.80 (172.7)				
TEL12-45 (*SLC)	8.99 (228.3)	8.86 (225.1)	5.48 (139.2)	5.31 (134.8)	7.89 (200.3)	8.07 (205.1)				
TEL12-70	10.26 (260.5)	10.17 (258.4)	6.83 (173.4)	6.65 (168.9)	7.89 (200.3)	8.01 (203.5)				
TEL12-80 (*SLC)	12.51 (317.8)	11.95 (303.5)	6.83 (173.4)	6.65 (168.9)	7.94 (201.6)	8.06 (204.8)				
TEL12-90	13.42 (340.9)	12.75 (323.7)	6.80 (172.7)	6.54 (166.0)	8.40 (213.2)	8.52 (216.4)				
TEL12-105FS**	21.95 (557.50)	20.81 (528.5)	4.94 (125.5)	4.83 (122.7)	7.29 (185.2)	9.0 (228.6)				
TEL12-125	13.57 (344.7)	12.74 (323.6)	6.80 (172.7)	6.63 (168.4)	10.81 (274.5)	10.93 (277.7)				
TEL6-180	12.63 (320.8)	12.51 (317.8)	6.97 (177.0)	6.83 (173.4)	8.82 (224.0)	8.94 (227.2)				

Note: All dimensions are for reference only. Lug & hardware dimensions not included. Batteries to be mounted with 0.5 in. (12.5 mm) spacing minimum allowing free air ventilation. Contact a C&D Representative for additional dimension information.\* (SLC) battery includes cable assembly. \*\* TEL12-105FS is a Front Access Battery and includes rope handles.

## TEL6-180 SPECIFICATIONS

Battery Capacity	Battery Capacity	Maximum Discharge Current	Short Circuit Current	Ohms Impedance 60 Hz ( $\Omega$ )
176 Ah @ 8 hour rate to 1.75 v/c @ 77°F (25°C)	IEC Rating: 171 Ah @ 10 hour rate to 1.80 v/c @ 68°F (20°C)	800 Amperes	4350 Amperes @ 0.1 Second	0.0012

## \* TEL6-180 RATINGS

End Point Volts/Cell	Constant Current Discharge Ratings - Amperes @ 77°F (25°C)													
	Operating Time to End Point Voltage (in hours)													
	1.00	2.00	3.00	4.00	5.00	6.00	7.00	8.00	10.00	12.00	20.00	24.00	72.00	100.00
1.75	120.00	68.50	50.00	39.20	32.40	28.00	24.60	21.94	18.10	15.54	10.00	8.42	2.88	2.08
1.80	113.00	66.00	48.00	38.00	31.36	27.00	23.70	21.20	17.60	15.08	9.70	8.17	2.80	2.03
1.85	106.00	62.00	45.50	36.00	30.00	25.80	22.70	20.30	16.90	14.50	9.30	7.83	2.73	1.98
1.90	94.00	57.25	42.00	33.50	27.90	24.00	21.10	19.00	15.80	13.70	8.90	7.56	2.65	1.92

**Note:** Batteries to be mounted with 0.5 in. (12.5 mm) spacing minimum allowing free air ventilation. Specifications subject to change without notification. The above ratings do not include connector voltage drops.

Part Number	CLEI Number	CPR Number
TEL 12-30	PWCYALS1AA	560308
TEL 12-30/SLC	SLPQ0DU8AA	983219
TEL 12-30/CCD	PBMB800FRA	211778
TEL 12-45	PWCYALU1AA	560310
TEL 12-45/SLC	PWCYALV1AA	560311
TEL 12-70	PWCYALW1AA	560312
TEL 12-80	PWCYAMM1AA	127524
TEL 12-80/SLC	PWCYAMN1AA	127525
TEL 12-90	PWCYALX1AA	560313
TEL 12-105FS	PWCYAUFBAA	136703
TEL 12-125	PWCYALY1AA	560314
* TEL 6-180	PWCYALZ1AA	560315

## **C&D** TECHNOLOGIES, INC.

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15A/100V

CD TECHNOLOGIES, INC.  
FA6-125  
15 100/125 AM  
MFG 01-00

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