

<b>AMENDMENT OF SOLICITATION/MODIFICATION OF CONTRACT</b>			1. CONTRACT ID CODE J	PAGE OF PAGES 1   48
2. AMENDMENT/MODIFICATION NO. 0003	3. EFFECTIVE DATE 24-Sep-2011	4. REQUISITION/PURCHASE REQ. NO.		5. PROJECT NO.(If applicable)
6. ISSUED BY AFGHANISTAN DISTRICT SOUTH (AES) US ARMY CORPS OF ENGINEERS APO AE 09355	CODE W5J9LE	7. ADMINISTERED BY (If other than item 6) <b>See Item 6</b>		
8. NAME AND ADDRESS OF CONTRACTOR (No., Street, County, State and Zip Code)		X	9A. AMENDMENT OF SOLICITATION NO. W5J9LE-11-T-0017	
		X	9B. DATED (SEE ITEM 11) 20-Aug-2011	
			10A. MOD. OF CONTRACT/ORDER NO.	
			10B. DATED (SEE ITEM 13)	
CODE	FACILITY CODE			
11. THIS ITEM ONLY APPLIES TO AMENDMENTS OF SOLICITATIONS				
<input checked="" type="checkbox"/> The above numbered solicitation is amended as set forth in Item 14. The hour and date specified for receipt of Offer <input checked="" type="checkbox"/> is extended, <input type="checkbox"/> is not extended. Offer must acknowledge receipt of this amendment prior to the hour and date specified in the solicitation or as amended by one of the following methods: (a) By completing Items 8 and 15, and returning <u>1</u> copies of the amendment; (b) By acknowledging receipt of this amendment on each copy of the offer submitted; or (c) By separate letter or telegram which includes a reference to the solicitation and amendment numbers. FAILURE OF YOUR ACKNOWLEDGMENT TO BE RECEIVED AT THE PLACE DESIGNATED FOR THE RECEIPT OF OFFERS PRIOR TO THE HOUR AND DATE SPECIFIED MAY RESULT IN REJECTION OF YOUR OFFER. If by virtue of this amendment you desire to change an offer already submitted, such change may be made by telegram or letter, provided each telegram or letter makes reference to the solicitation and this amendment, and is received prior to the opening hour and date specified.				
12. ACCOUNTING AND APPROPRIATION DATA (If required)				
13. THIS ITEM APPLIES ONLY TO MODIFICATIONS OF CONTRACTS/ORDERS. IT MODIFIES THE CONTRACT/ORDER NO. AS DESCRIBED IN ITEM 14.				
A. THIS CHANGE ORDER IS ISSUED PURSUANT TO: (Specify authority) THE CHANGES SET FORTH IN ITEM 14 ARE MADE IN THE CONTRACT ORDER NO. IN ITEM 10A.				
B. THE ABOVE NUMBERED CONTRACT/ORDER IS MODIFIED TO REFLECT THE ADMINISTRATIVE CHANGES (such as changes in paying office, appropriation date, etc.) SET FORTH IN ITEM 14, PURSUANT TO THE AUTHORITY OF FAR 43.103(B).				
C. THIS SUPPLEMENTAL AGREEMENT IS ENTERED INTO PURSUANT TO AUTHORITY OF:				
D. OTHER (Specify type of modification and authority)				
E. IMPORTANT: Contractor <input type="checkbox"/> is not, <input type="checkbox"/> is required to sign this document and return _____ copies to the issuing office.				
14. DESCRIPTION OF AMENDMENT/MODIFICATION (Organized by UCF section headings, including solicitation/contract subject matter where feasible.)  <b>PROJECT NO. W&amp;I 012, KANDAHAR COMPLETION KITS</b> <b>Contract Specialist: John Perez, john.m.perez@usace.army.mil</b> <b>Subject solicitation is modified as follows. The incorporated changes are stated on the continuation page:</b> <b>1. The Bid Schedule is revised.</b> <b>2. Instruction To Offers Section is revised.</b> <b>3. Scope of Work is revised.</b> <b>4. The following clauses are incorporated: 52.211-6, Brand Name or Equal (AUG 1999); 52.232-18, Availability of Funds (APR 1984); 52.217-5, Evaluation of Options (JUL 1990).</b> <b>5. The hour and date specified for receipt of Offers is extended to 5:00 PM, 27 September 2011 (Local Time).</b>				
Except as provided herein, all terms and conditions of the document referenced in Item 9A or 10A, as heretofore changed, remains unchanged and in full force and effect.				
15A. NAME AND TITLE OF SIGNER (Type or print)		16A. NAME AND TITLE OF CONTRACTING OFFICER (Type or print)		
		TEL:	EMAIL:	
15B. CONTRACTOR/OFFEROR	15C. DATE SIGNED	16B. UNITED STATES OF AMERICA		16C. DATE SIGNED
_____ (Signature of person authorized to sign)		BY _____ (Signature of Contracting Officer)		24-Sep-2011

**SUMMARY OF CHANGES**, W5J9LE-11-T-0017, Amendment 0003

The following have been modified:

1. The hour and date specified for receipt of Offers is extended to 5:00 PM, 27 September 2011 (Local Time).
2. Bid Schedule is revised as follows:

<b><u>BID SCHEDULES</u></b>					
Offeror will provide per UNIT PRICE and total price under NET AMOUNT column for Bid Schedule A and B of Maiwand, Pashmul, and Spin Boldak districts of Kandahar Province. Proposed pricing shall be inclusive of all direct and indirect costs (mobilization, demobilization, overhead, profit, etc.). All items are fixed-price and FOB DESTINATION.					
<b>MAIWAND</b>					
<b>BID SCHEDULE A – <u>BASE BID</u> MAIWAND COMPLETION KIT</b>					
ITEM	DESCRIPTION	UOM	QTY.	UNIT PRICE	NET AMOUNT
001	Aluminum automatic tension splice, ACSR 120/20 overall diameter 15.5mm	EA	175		
002	Aluminum automatic tension splice, ACSR 70	EA	50		
003	6 ft steel arm with mounting hardware to mount to item 004 See appendix M	EA	80		
004	40ft steel Electrical power utility pole, wood class 3 equivalent. (See appendix M for intending use)	EA	80		
005	20kV Insulator	EA	250		
006	Stud assembly for insulator	EA	250		
007	20kv dead end insulator	EA	80		
008	Aluminum wedge type tension clamp range to 120mm conductor(wire grip)	EA	80		
009	200 amp, 20kV three Phase fused cutout assemblies, maximum interrupt of 25kA with maximum voltage surge of 150kV	EA	175		
010	20kV lightning arrestor with mounting hardware	EA	20		

011	Copper ground rod(16mm x 1800mm)	EA	40		
012	16mm copper ground rod clamp	EA	40		
013	16mm oval eye nut	EA	75		
014	Nut, 16mm x 200mm	EA	75		
015	16mm square washer 75mm x 75mm x 8mm	EA	190		
016	Al, #4 awg, soft drawn tie wire, 250 ft coil	COIL	3		
017	100 kVA distribution transformers, 20/0.4 kV, pole mounted (Yyn) Sealed type with all bushings and mounting hardware	EA	8		
018	50 kVA distribution transformers 20/0.4 kV, pole mounted (Yyn) Sealed type with all bushings and mounting hardware	EA	8		
019	60A 3 ph outdoor rated and lockable main distribution panel w/4ea 25amp 3ph feeder breakers and 6ea 10amp 1ph breaker, all 3 phase breakers will use lug type conductor connections	EA	20		
020	120/20 ACSR wire (20kv nominal)	M	75,000		
021	70 ACSR wire (20kv nominal)	M	11,000		
022	50 ACSR wire (20kv nominal)	M	9,000		
023	3x 50mm2 ABC Quadruplex w/50mm2 Neutral 600vac	M	21,000		
024	ABC pole mounting hardware	EA	420		
025	ABC splices for 50mm2 ABC	EA	1000		
026	1 Ph, 10 (40) A meter	EA	1250		
027	1 Ph, 20 (60) A meter	EA	200		
028	3 Ph, 10 (40) A meter	EA	10		

029	3 Ph, 20 (60) A meter	EA	10		
030	3 Ph, 50 (100) A meter	EA	10		
031	3ph 5A w/CTs 200/5	EA	10		
032	Meter test device	EA	1		
033	Boundary/logger, 3Ph, 20kV	EA	3		
034	630A, 20kV three phase gang air switches	EA	24		
035	2A type "H" Fuse links for item 009 "20kv three fused cutout assemblies"	EA	100		
036	4A type "H" Fuse links for item 009 "20kv three fused cutout assemblies"	EA	100		
037	10A type "K" Fuse links for item 009 "20kv three fused cutout assemblies"	EA	100		
038	15A type "K" Fuse links for item 009 "20kv three fused cutout assemblies"	EA	100		
039	100A type "K" Fuse links for item 009 "20kv three fused cutout assemblies"	EA	100		
040	200A type "K" Fuse links for item 009 "20kv three fused cutout assemblies"	EA	100		
041	100A 3 ph outdoor rated and lockable main distribution panel w/4ea 32amp 3ph feeder breakers and 6ea 10amp 1ph breaker. All 3pahse breakers will use lug type conductor connections.	EA	20		
042	200A 3 ph outdoor rated and lockable main distribution panel w/2ea 100amp, 2ea 60amp, 4ea 32amp 3ph feeder breakers and 6ea 10amp 1ph breaker. All 3pahse breakers will use lug type conductor connections.	EA	15		
043	4X50mm <sup>2</sup> cable solar rated direct lay and direct burial shielded 600vac rated.	M	1,000		

044	4X95mm <sup>2</sup> cable solar rated direct lay and direct burial shielded 600vac rated.	M	1,000		
045	50mm <sup>2</sup> termination compression lugs for AL ABC Quadruplex conductor sized to match the Main distribution panel low voltage feeder breaker lug connections	EA	22,000		
046	95mm <sup>2</sup> termination compression lugs for CU sized to match the Main distribution panel low voltage feeder breaker lug connections	EA	300		
047	120mm <sup>2</sup> termination compression lugs sized to match the 120mm <sup>2</sup> ACSR overhead MV cable	EA	600		
048	70 mm <sup>2</sup> termination compression lugs sized to match the 70 mm <sup>2</sup> ACSR overhead MV cable	EA	300		
049	50 mm <sup>2</sup> termination compression lugs sized to match the 50 mm <sup>2</sup> ACSR overhead MV cable	EA	120		

<b>BID SCHEDULE B – BASE BID MAIWAND COMPLETION KIT</b>					
<b>ITEM</b>	<b>DESCRIPTION</b>	<b>UOM</b>	<b>QTY.</b>	<b>UNIT PRICE</b>	<b>NET AMOUNT</b>
001	Digging bar	EA	2		
002	Canvas bucket, Electrician , with canvas handle	EA	4		
003	Clamp around amprobe/ multimeter digital Fluke (brand name or equal)	EA	3		
004	Multimeter, Fluke 87(Brand name or equal)	EA	4		
005	Phasemeter, 24kV, C/O bag, Canvas	EA	2		
006	Drill set, twist high speed 1/16 to 1/2 in. X 32nds	EA	2		
007	File, hand flat style 12" long	EA	2		
008	Plumb bob, steel	EA	2		
009	Ratchet cable cutter, heavy duty, cut to 1500MCM	EA	2		
010	Shovel, 5' spade	EA	2		
011	Shovel, 5' square	EA	2		
012	Shovel, handle 96" long, 11" Blade	EA	2		
013	Spoon, telegraph handle 93" long	EA	2		
014	8' Universal Stick (Hot Stick)	EA	2		
015	Tamper, hand 90" long	EA	2		
016	Bit, auger, steel 0.678 in. dia. 15.75 in length	EA	3		
017	Drill, set, twist, high speed Steel	EA	2		
018	Wrench, Adjustable (10")	EA	2		
019	Wrench, Pipe (4in Jaw)	EA	2		
020	Three phase Medium voltage Grounding Set (Salisbury #2403, brand name or equal)	EA	2		
021	8' Collapsible Universal (Hot Stick)	EA	3		
022	12 lbs Sledge Hammer	EA	3		

023	3" Chisel Bit for Hydraulic Jack Hammer, 1-1/8" x 6" Shank	EA	2		
024	5" Asphalt Cutter Bit for Hydraulic Jack Hammer, 1-1/8" x 6" Shank	EA	2		
025	4' Point Bit	EA	2		
026	Bit, Auger 1-1/16" x 18" long ***Must Fit Hex Quick Change Chuck***	EA	2		
027	Bit, Auger 11/16" x 18" long ***Must Fit Hex Quick Change Chuck***	EA	2		
028	Bit, Auger 13/16" x 18" long ***Must Fit Hex Quick Change Chuck***	EA	2		
029	Bit, Auger 15/16" x 18" long ***Must Fit Hex Quick Change Chuck***	EA	2		
030	Block and Tackle (750lb max load) w/ 25' Rope and Swivel Hook	EA	2		
031	Bolt Cutter, 24" long, fiberglass handle, cutting up to 1/2" Steel bolt	EA	2		
032	Capstan Head 4000 lbs Must be compatabel on Line man Truck. (part # Altec 900-10727, brand name or equal)	EA	2		
033	Hose Bag 6' Canvas	EA	2		
034	Hydraulic Jack Hammer (Paving Breaker) 45lbs class, 1-1/8" x 6" shank (Stanley part # 79-BR45120E, brand name or equal)	EA	2		
035	Hydraulic Cable Cutter, Cutting cap up to 3/4" ACSR (huskies tools #S-20, brand name or equal)	EA	2		
036	Hydraulic Crimping tool 6.2 ton HD (low pressure) for cable splicing	EA	2		

	(3-4 Side Crimp) (part # Stanley CT06, brand name or equal)				
037	Hydraulic Drill High Torque ( 1/2" Chuck) w/ Hex Quick Change Chuck (STANLEY ID04 IMPACT DRILL part # 79-ID04810, brand name or equal)	EA	2		
038	Hydraulic Tamper (Stanley part # 79-TA54103, brand name or equal)	EA	2		
039	Impact Wrench Holder, Outside Bucket Mount, Polymer Material	EA	2		
040	Mechanical Hoist 1.5 Ton, Chain (Coffing Hoists part # 98-C309-0440, brand name or equal)	EA	2		
041	Mechanical Hoist 1.5 Ton, Strap (Coffing Hoists part # 86-344DA, brand name or equal)	EA	2		
042	Metal Straight Garden Rake	EA	2		
043	Outrigger Pads (Poly)(Altec part # 692-93078, brand name or equal) Must be compatible with Linemen truck	EA	4		
044	Parallel Jaw Grip, up to 7/8" cable, 4500lbs safe load	EA	3		
045	Clamp stick, Shotgun, Hot stick 8' length	EA	2		
046	Collapsible Donner Reel (utility tool and trailer part # 98-176A78, brand name or equal)	EA	2		
047	Drill, Power Driver and Hammer drill, 18V Cordless w/ Battery, Case and Charger (Dewalt part # DEW989K-2, brand name or equal)	EA	2		
048	Ground Rod Driver Bit for Hydraulic Jack Hammer, 1-1/8" x 6" shank	EA	2		
049	Guy Grip, for 1/4 to 1/2 in. cap, safe load 8000lbs	EA	2		
050	Nylon hand line blocks	EA	2		

051	Hand lines and Hooks, 75' rope line with snap swivel hook max safe load of 250lbs	EA	2		
052	Haven Grip, up to 3/4 cap, safe load 8000lbs	EA	3		
053	Pole Wrench, Nylon Web Strap (7.5k lbs strength) w/ 4' Fiberglass Handle	EA	2		
054	Tool Organizer, Bucket, Polyboard	EA	2		
055	High Voltage Detector w/ Case (Hubbel Power Systems part # 984244b, brand name or equal)	EA	2		
056	24' Extension Ladder (part # Kipper WER-D7254-2) Fiberglass or other non conductive for electrical work (brand name or equal)	EA	4		
057	Safety Cone	EA	12		
058	Sign base	EA	3		
059	Expandable Sign	EA	3		
060	Ratchet Straps (for poles)	EA	12		
061	Straw Push Broom	EA	2		
062	Bucket Hooks	EA	12		
063	Rotation Meter Kit, Phase and Motor, low voltage 600Vac	EA	2		
064	Swivel anchor hook 750lb safe working load	EA	6		
065	Aerial Emergency rescue system, one man (Hydron part # 41-101SR-50, brand name or equal)	EA	2		
066	Gas and Oil Safety Can 2gal captivity (EAGLE Can, Safety, 2 Type, 2 G # U2-26S, brand name or equal)	EA	2		
067	Pole Trailing Drawbar w/ pintle ring (Altec part # 9000-08137, brand name or equal)	EA	2		

068	Utility Pole Safety towing /Directional Lights (with light cord) like(Altec part #9000-70278, brand name or equal)	EA	2		
069	Safety Flags	EA	8		
070	Digging Skirt 10'x10' ( <a href="http://www.dirtskirt.com">www.dirtskirt.com</a> , brand name or equal)	EA	2		
071	Grounding Reel for Truck	EA	2		
072	Bucket Bin	EA	2		
073	Load Buster Tool (S&C Electric Co. # 5300R3, brand name or equal)	EA	2		
074	Spot Light vehicle mounted and power with remote control (Go Light #2020, brand name or equal)	EA	2		
075	Chain Sling like (Columbus Mckinnon Corp # cm604442r5, brand name or equal)	EA	3		
076	Shackles, like (Columbus Mckinnon Corp. #490M852g, brand name or equal)	EA	6		
077	10' Nylon Sling	EA	3		
078	4' Nylon Sling	EA	3		
079	Transformer Sling	EA	2		
080	Link Stick	EA	2		
081	Nut Runner (Fairmont/Greenlee NR1 nut runner, brand name or equal)	EA	2		
082	Socket Set Non Insulated 3/8"-1 1/8"	EA	2		
083	Wrench Set 3/8"-1 1/8" (open end closed end combo)	EA	2		
084	Fire Extinguisher (ABC)	EA	2		
085	First Aid Kit with ADE (Automatic Defibrillator)	EA	2		
086	24" Wire Cutters "Loppers"	EA	2		

	(fiberglass handle)				
087	5 Pocket Tool Holster	EA	12		
088	8" Flat Tip Screwdriver	EA	2		
089	Fiberglass Rule	EA	2		
090	Side Cutting Pliers	EA	2		
091	Channel Lock Pliers	EA	2		
092	Skinning Knife	EA	2		
093	200' Reel Mule Tape "Lashing Rope" 1500lbs Breaking Strength	EA	2		
094	Lewis Pulling Grips for Various Size Wire (Chinese finger trap, brand name or equal)	EA	2		
095	Stream light Rechargeable Flash Light (brand name or equal)	EA	2		
096	6" Phillips Head Screwdriver	EA	2		
097	Reciprocating saw blade kit (matches Sawsall)	EA	2		
098	Cordless Sawsall matches power pack and manufacture of item 47	EA	2		
099	Power Inverter 1000w with 2 outlets (Inverter needs to produce 220v AC can be changed to 1 outlet if need)	EA	2		
100	3lb Lineman Hammer	EA	2		
101	Gin, Pole, Heavy-Duty, Fiberglass, 35" long	EA	2		
102	Insulation Blanket, Electrical, Plastic, orange color, Split 36" x 36" x 1/8", w/ 12 buttons (Salisbury model #1300, brand name or equal)	EA	2		
103	Insulation Blanket, Electrical, RBR Blanket for covering Bus bar conductors, Cross arms 36"x 36" (Salisbury model #900E, brand	EA	2		

	name or equal)				
104	Tester, Leak, Lineman's Rubber Glove, Bench Hand Pump (Salisbury model #g99, brand name or equal)	EA	1		
105	Tube, Mailing and FI, Plastic, Polyethylene, 6" x 37" (Long Hi-Line Utility Supply Co. # 2835, brand name or equal)	EA	3		
106	Axe, single bit 4lbs	EA	2		
107	Level and Plumb, AL, Double Face, 24" long	EA	2		
108	Disconnect Head, Universal Stick	EA	2		
109	Head, Eye, Universal Stick Shotgun adaptor	EA	2		
110	Wire Tie Blade, Fixed, Universal Stick	EA	2		
111	Hot Line Stick, Fiberglass, 10' Long	EA	2		
112	Stringing sheave cross arm assembly (Sherman Reilly part # xs-100-lb, brand name or equal)	EA	2		
113	Stringing Sheave (Sherman Reilly part # mdl12, brand name or equal)	EA	24		
114	Wrench, Ratchet, Universal Stick	EA	2		
115	Jack stands, (Jack stands are not sold in sets. You must order 18 total, Greenlee part # 656, brand name or equal)	EA	6		
116	Jack stand spindle,(Greenlee part # 657, brand name or equal)	EA	6		
117	Metric Measuring Wheel (Keson part # MP301M, brand name or equal)	EA	2		
118	Combination Glove & Sleeve Bag 18 x 8 x 8 (Estex Type 2426-1, brand name or equal)	EA	3		

119	Rubber Gloves, Class II, 17000V, size 9	EA	6		
120	Rubber Gloves, Class II, 17000V, size 11	EA	6		
121	Rubber Sleeves, Class II, 17000V, straps and buttons, size medium	EA	6		
122	Rubber Sleeves, Class II, 17000V, straps and buttons, size large	EA	6		
123	Leather glove shells, gauntlet type, size 10	EA	6		
124	Leather glove shells, gauntlet type, size 12	EA	6		
125	Safety Glasses Clear and Tinted and Cases	EA	12		
126	Full Brim Hard Hat	EA	12		
127	Leather Work Gloves Gauntlet Medium	EA	12		
128	Boots, Climbing 8ea of sizes 9, 11, and 13	EA	24		
129	Cotton Liners, Rubber gloves(Large)	EA	25		
130	FR Coveralls, size medium (38" chest)	EA	4		
131	FR (Fire retardant )Coveralls, size large (42" chest)	EA	4		
132	FR Coveralls, size X-large (48" chest)	EA	4		
133	Lineman's Triple Square Wrench (Lowell Wrench) (Lowell part # 151T, brand name or equal)	EA	2		
134	Insulated Bug Wrench 9/16" x 3/4"	EA	3		
135	Insulated Bug Wrench 5/8" x 1/2"	EA	3		
136	Insulated Bug Wrench 3/8" x 9/16"	EA	3		
137	24" JLM Black Vinyl Tool Bag (brand	EA	3		

	name or equal)				
138	6' Nylon Pole Strap w/ Lock Straps	EA	4		
139	Lineman's Tool Belt Double Bar D	EA	6		
140	Side Cut Pliers	EA	6		
141	Tongue and Groove Pliers	EA	6		
142	Lineman's Bell Wrench 5/8" Hardware	EA	4		
143	SEPTOR Hardhat Flashlight Stream light (brand name or equal)	EA	4		
144	Buckfit Tower Harness	EA	4		
145	Klein double face lineman hammer (KLE part # 809-36, brand name or equal)	EA	4		
146	Klein zipper bag 12-1/2" x 7" (KLE part # 5139, brand name or equal)	EA	4		
147	Distribution Transformer Handbook (Alexander Publications # 774)	EA	4		
148	Adjustable wrench 10"	EA	4		
149	MIT520 5kV megger (brand name or equal)	EA	1		
150	Megger L1071 portable fault locator (brand name or equal)	EA	1		
151	HVI PTS75 DC Hi-pot high voltage (Brand name or equal)	EA	1		
152	Wire brush, 6" handle	EA	2		
153	File kit, round	EA	2		
154	Reciprocating saw, cordless, Uses the same power pack and by same manufacture as Cordless drill item 047	EA	1		
155	Saw blade kit (to match saw)	EA	2		
156	Welder/generator (Hobart Champion Elite, brand name or equal)	EA	1		

151	Compression H-Tap connectors, 120-120mm2 (see attachment)	EA	200		
157	Compression H-Tap connectors, 120-70mm2 (see attachment)	EA	60		
158	Compression H-Tap connectors, 120-50mm2 (see attachment)	EA	60		
159	Compression H-Tap connectors, 70-50mm2 (see attachment)	EA	60		
160	Skirted termination kit, outdoor, silicone rubber (see attachment)	EA	24		
161	Boring machine, horizontal (Prairie Dog model # 500RTW, brand name or equal)	EA	1		
162	Electrical tape, vinyl (3M Scotch 33+, brand name or equal)	EA	30		
163	Linerless splicing tape, rubber (3M Scotch 130C, brand name or equal)	EA	30		
164	Truck, lineman's, heavy duty medium voltage bucket truck (Equivalent to Altec AM 60, brand name or equal)	EA	1		
165	Trailer, pole heavy duty (Equivalent to Altec ETX, brand name or equal)	EA	1		
166	Truck, pickup 6 PAX crew truck	EA	1		
<b>TOTAL- Bid Schedule A&amp;B, Maiwand</b>					<b>\$</b>

**BID SCHEDULES****PASHMUL****BID SCHEDULE A – BASE BID PASHMUL COMPLETION KIT**

<b>ITEM</b>	<b>DESCRIPTION</b>	<b>UOM</b>	<b>QTY.</b>	<b>UNIT PRICE</b>	<b>NET AMOUNT</b>
001	Aluminum automatic tension splice, ACSR 120/20 overall diameter 15.5mm	EA	175		
002	Aluminum automatic tension splice, ACSR 70	EA	50		
003	6 ft steel arm with mounting hardware to mount to item 004 See appendix M	EA	80		
004	40ft steel Electrical power utility pole, wood class 3 equivalent. (See appendix M for intending use)	EA	80		
005	20kV Insulator	EA	250		
006	Stud assembly for insulator	EA	250		
007	20kv dead end insulator	EA	80		
008	Aluminum wedge type tension clamp range to 120mm conductor(wire grip)	EA	80		
009	200 amp, 20kV three Phase fused cutout assemblies, maximum interrupt of 25kA with maximum voltage surge of 150kV	EA	175		
010	20kV lightning arrester with mounting hardware	EA	20		
011	Copper ground rod(16mm x 1800mm)	EA	40		
012	16mm copper ground rod clamp	EA	40		
013	16mm oval eye nut	EA	75		
014	Nut, 16mm x 200mm	EA	75		
015	16mm square washer 75mm x	EA	190		

	75mm x 8mm				
016	Al, #4 awg, soft drawn tie wire, 250 ft coil	COIL	3		
017	100 kVA distribution transformers, 20/0.4 kV, pole mounted (Yyn) Sealed type with all bushings and mounting hardware	EA	8		
018	50 kVA distribution transformers 20/0.4 kV, pole mounted (Yyn) Sealed type with all bushings and mounting hardware	EA	8		
019	60A 3 ph outdoor rated and lockable main distribution panel w/4ea 25amp 3ph feeder breakers and 6ea 10amp 1ph breaker, all 3 phase breakers will use lug type conductor connections	EA	20		
020	120/20 ACSR wire (20kv nominal)	M	75,000		
021	70 ACSR wire (20kv nominal)	M	11,000		
022	50 ACSR wire (20kv nominal)	M	9,000		
023	3x 50mm <sup>2</sup> ABC Quadruplex w/50mm <sup>2</sup> Neutral 600vac	M	21,000		
024	ABC pole mounting hardware	EA	420		
025	ABC splices for 50mm <sup>2</sup> ABC	EA	1000		
026	1 Ph, 10 (40) A meter	EA	1250		
027	1 Ph, 20 (60) A meter	EA	200		
028	3 Ph, 10 (40) A meter	EA	10		
029	3 Ph, 20 (60) A meter	EA	10		
030	3 Ph, 50 (100) A meter	EA	10		
031	3ph 5A w/CTs 200/5	EA	10		
032	Meter test device	EA	1		
033	Boundary/logger, 3Ph, 20kV	EA	3		

034	630A, 20kv three phase gang air switches	EA	24		
035	2A type "H" Fuse links for item 009 "20kv three fused cutout assemblies"	EA	100		
036	4A type "H" Fuse links for item 009 "20kv three fused cutout assemblies"	EA	100		
037	10A type "K" Fuse links for item 009 "20kv three fused cutout assemblies"	EA	100		
038	15A type "K" Fuse links for item 009 "20kv three fused cutout assemblies"	EA	100		
039	100A type "K" Fuse links for item 009 "20kv three fused cutout assemblies"	EA	100		
040	200A type "K" Fuse links for item 009 "20kv three fused cutout assemblies"	EA	100		
041	100A 3 ph outdoor rated and lockable main distribution panel w/4ea 32amp 3ph feeder breakers and 6ea 10amp 1ph breaker. All 3pahse breakers will use lug type conductor connections.	EA	20		
042	200A 3 ph outdoor rated and lockable main distribution panel w/2ea 100amp, 2ea 60amp, 4ea 32amp 3ph feeder breakers and 6ea 10amp 1ph breaker. All 3pahse breakers will use lug type conductor connections.	EA	15		
043	4X50mm <sup>2</sup> cable solar rated direct lay and direct burial shielded 600vac rated.	M	1,000		
044	4X95mm <sup>2</sup> cable solar rated direct	M	1,000		

	lay and direct burial shielded 600vac rated.				
045	50mm2 termination compression lugs for AL ABC Quadruplex conductor sized to match the Main distribution panel low voltage feeder breaker lug connections	EA	22,000		
046	95mm2 termination compression lugs for CU sized to match the Main distribution panel low voltage feeder breaker lug connections	EA	300		
047	120mm2 termination compression lugs sized to match the 120mm2 ACSR overhead MV cable	EA	600		
048	70 mm2 termination compression lugs sized to match the 70 mm2 ACSR overhead MV cable	EA	300		
049	50 mm2 termination compression lugs sized to match the 50 mm2 ACSR overhead MV cable	EA	120		

<b>BID SCHEDULE B – BASE BID PASHMUL COMPLETION KIT</b>					
<b>ITEM</b>	<b>DESCRIPTION</b>	<b>UOM</b>	<b>QTY.</b>	<b>UNIT PRICE</b>	<b>NET AMOUNT</b>
001	Digging bar	EA	2		
002	Canvas bucket, Electrician , with canvas handle	EA	4		
003	Clamp around amprobe/ multimeter digital Fluke (brand name or equal)	EA	3		
004	Multimeter, Fluke 87(Brand name or equal)	EA	4		
005	Phasemeter, 24kV, C/O bag, Canvas	EA	2		
006	Drill set, twist high speed 1/16 to 1/2 in. X 32nds	EA	2		
007	File, hand flat style 12" long	EA	2		
008	Plumb bob, steel	EA	2		
009	Ratchet cable cutter, heavy duty, cut to 1500MCM	EA	2		
010	Shovel, 5' spade	EA	2		
011	Shovel, 5' square	EA	2		
012	Shovel, handle 96" long, 11" Blade	EA	2		
013	Spoon, telegraph handle 93" long	EA	2		
014	8' Universal Stick (Hot Stick)	EA	2		
015	Tamper, hand 90" long	EA	2		
016	Bit, auger, steel 0.678 in. dia. 15.75 in length	EA	3		
017	Drill, set, twist, high speed Steel	EA	2		
018	Wrench, Adjustable (10")	EA	2		
019	Wrench, Pipe (4in Jaw)	EA	2		
020	Three phase Medium voltage Grounding Set (Salisbury #2403, brand name or equal)	EA	2		
021	8' Collapsible Universal (Hot Stick)	EA	3		
022	12 lbs Sledge Hammer	EA	3		

023	3" Chisel Bit for Hydraulic Jack Hammer, 1-1/8" x 6" Shank	EA	2		
024	5" Asphalt Cutter Bit for Hydraulic Jack Hammer, 1-1/8" x 6" Shank	EA	2		
025	4' Point Bit	EA	2		
026	Bit, Auger 1-1/16" x 18" long ***Must Fit Hex Quick Change Chuck***	EA	2		
027	Bit, Auger 11/16" x 18" long ***Must Fit Hex Quick Change Chuck***	EA	2		
028	Bit, Auger 13/16" x 18" long ***Must Fit Hex Quick Change Chuck***	EA	2		
029	Bit, Auger 15/16" x 18" long ***Must Fit Hex Quick Change Chuck***	EA	2		
030	Block and Tackle (750lb max load) w/ 25' Rope and Swivel Hook	EA	2		
031	Bolt Cutter, 24" long, fiberglass handle, cutting up to 1/2" Steel bolt	EA	2		
032	Capstan Head 4000 lbs Must be compatabel on Line man Truck. (part # Altec 900-10727, brand name or equal)	EA	2		
033	Hose Bag 6' Canvas	EA	2		
034	Hydraulic Jack Hammer (Paving Breaker) 45lbs class, 1-1/8" x 6" shank (Stanley part # 79-BR45120E, brand name or equal)	EA	2		
035	Hydraulic Cable Cutter, Cutting cap up to 3/4" ACSR (huskies tools #S-20, brand name or equal)	EA	2		
036	Hydraulic Crimping tool 6.2 ton HD (low pressure) for cable splicing	EA	2		

	(3-4 Side Crimp) (part # Stanley CT06, brand name or equal)				
037	Hydraulic Drill High Torque ( 1/2" Chuck) w/ Hex Quick Change Chuck (STANLEY ID04 IMPACT DRILL part # 79-ID04810, brand name or equal)	EA	2		
038	Hydraulic Tamper (Stanley part # 79-TA54103, brand name or equal)	EA	2		
039	Impact Wrench Holder, Outside Bucket Mount, Polymer Material	EA	2		
040	Mechanical Hoist 1.5 Ton, Chain (Coffing Hoists part # 98-C309-0440, brand name or equal)	EA	2		
041	Mechanical Hoist 1.5 Ton, Strap (Coffing Hoists part # 86-344DA, brand name or equal)	EA	2		
042	Metal Straight Garden Rake	EA	2		
043	Outrigger Pads (Poly)(Altec part # 692-93078, brand name or equal) Must be compatible with Linemen truck	EA	4		
044	Parallel Jaw Grip, up to 7/8" cable, 4500lbs safe load	EA	3		
045	Clamp stick, Shotgun, Hot stick 8' length	EA	2		
046	Collapsible Donner Reel (utility tool and trailer part # 98-176A78, brand name or equal)	EA	2		
047	Drill, Power Driver and Hammer drill, 18V Cordless w/ Battery, Case and Charger (Dewalt part # DEW989K-2, brand name or equal)	EA	2		
048	Ground Rod Driver Bit for Hydraulic Jack Hammer, 1-1/8" x 6" shank	EA	2		
049	Guy Grip, for 1/4 to 1/2 in. cap, safe load 8000lbs	EA	2		
050	Nylon hand line blocks	EA	2		

051	Hand lines and Hooks, 75' rope line with snap swivel hook max safe load of 250lbs	EA	2		
052	Haven Grip, up to 3/4 cap, safe load 8000lbs	EA	3		
053	Pole Wrench, Nylon Web Strap (7.5k lbs strength) w/ 4' Fiberglass Handle	EA	2		
054	Tool Organizer, Bucket, Polyboard	EA	2		
055	High Voltage Detector w/ Case (Hubbel Power Systems part # 984244b, brand name or equal)	EA	2		
056	24' Extension Ladder (part # Kipper WER-D7254-2) Fiberglass or other non conductive for electrical work (brand name or equal)	EA	4		
057	Safety Cone	EA	12		
058	Sign base	EA	3		
059	Expandable Sign	EA	3		
060	Ratchet Straps (for poles)	EA	12		
061	Straw Push Broom	EA	2		
062	Bucket Hooks	EA	12		
063	Rotation Meter Kit, Phase and Motor, low voltage 600Vac	EA	2		
064	Swivel anchor hook 750lb safe working load	EA	6		
065	Aerial Emergency rescue system, one man (Hydron part # 41-101SR-50, brand name or equal)	EA	2		
066	Gas and Oil Safety Can 2gal captivity (EAGLE Can, Safety, 2 Type, 2 G # U2-26S, brand name or equal)	EA	2		
067	Pole Trailing Drawbar w/ pintle ring (Altec part # 9000-08137, brand name or equal)	EA	2		

068	Utility Pole Safety towing /Directional Lights (with light cord) like(Altec part #9000-70278, brand name or equal)	EA	2		
069	Safety Flags	EA	8		
070	Digging Skirt 10'x10' ( <a href="http://www.dirtskirt.com">www.dirtskirt.com</a> , brand name or equal)	EA	2		
071	Grounding Reel for Truck	EA	2		
072	Bucket Bin	EA	2		
073	Load Buster Tool (S&C Electric Co. # 5300R3, brand name or equal)	EA	2		
074	Spot Light vehicle mounted and power with remote control (Go Light #2020, brand name or equal)	EA	2		
075	Chain Sling like (Columbus Mckinnon Corp # cm604442r5, brand name or equal)	EA	3		
076	Shackles, like (Columbus Mckinnon Corp. #490M852g, brand name or equal)	EA	6		
077	10' Nylon Sling	EA	3		
078	4' Nylon Sling	EA	3		
079	Transformer Sling	EA	2		
080	Link Stick	EA	2		
081	Nut Runner (Fairmont/Greenlee NR1 nut runner, brand name or equal)	EA	2		
082	Socket Set Non Insulated 3/8"-1 1/8"	EA	2		
083	Wrench Set 3/8"-1 1/8" (open end closed end combo)	EA	2		
084	Fire Extinguisher (ABC)	EA	2		
085	First Aid Kit with ADE (Automatic Defibrillator)	EA	2		
086	24" Wire Cutters "Loppers"	EA	2		

	(fiberglass handle)				
087	5 Pocket Tool Holster	EA	12		
088	8" Flat Tip Screwdriver	EA	2		
089	Fiberglass Rule	EA	2		
090	Side Cutting Pliers	EA	2		
091	Channel Lock Pliers	EA	2		
092	Skinning Knife	EA	2		
093	200' Reel Mule Tape "Lashing Rope" 1500lbs Breaking Strength	EA	2		
094	Lewis Pulling Grips for Various Size Wire (Chinese finger trap, brand name or equal)	EA	2		
095	Stream light Rechargeable Flash Light (brand name or equal)	EA	2		
096	6" Phillips Head Screwdriver	EA	2		
097	Reciprocating saw blade kit (matches Sawsall)	EA	2		
098	Cordless Sawsall matches power pack and manufacture of item 47	EA	2		
099	Power Inverter 1000w with 2 outlets (Inverter needs to produce 220v AC can be changed to 1 outlet if need)	EA	2		
100	3lb Lineman Hammer	EA	2		
101	Gin, Pole, Heavy-Duty, Fiberglass, 35" long	EA	2		
102	Insulation Blanket, Electrical, Plastic, orange color, Split 36" x 36" x 1/8", w/ 12 buttons (Salisbury model #1300, brand name or equal)	EA	2		
103	Insulation Blanket, Electrical, RBR Blanket for covering Bus bar conductors, Cross arms 36"x 36" (Salisbury model #900E, brand	EA	2		

	name or equal)				
104	Tester, Leak, Lineman's Rubber Glove, Bench Hand Pump (Salisbury model #g99, brand name or equal)	EA	1		
105	Tube, Mailing and FI, Plastic, Polyethylene, 6" x 37" (Long Hi-Line Utility Supply Co. # 2835, brand name or equal)	EA	3		
106	Axe, single bit 4lbs	EA	2		
107	Level and Plumb, AL, Double Face, 24" long	EA	2		
108	Disconnect Head, Universal Stick	EA	2		
109	Head, Eye, Universal Stick Shotgun adaptor	EA	2		
110	Wire Tie Blade, Fixed, Universal Stick	EA	2		
111	Hot Line Stick, Fiberglass, 10' Long	EA	2		
112	Stringing sheave cross arm assembly (Sherman Reilly part # xs-100-lb, brand name or equal)	EA	2		
113	Stringing Sheave (Sherman Reilly part # mdl12, brand name or equal)	EA	24		
114	Wrench, Ratchet, Universal Stick	EA	2		
115	Jack stands, (Jack stands are not sold in sets. You must order 18 total, Greenlee part # 656, brand name or equal)	EA	6		
116	Jack stand spindle,(Greenlee part # 657, brand name or equal)	EA	6		
117	Metric Measuring Wheel (Keson part # MP301M, brand name or equal)	EA	2		
118	Combination Glove & Sleeve Bag 18 x 8 x 8 (Estex Type 2426-1, brand name or equal)	EA	3		

119	Rubber Gloves, Class II, 17000V, size 9	EA	6		
120	Rubber Gloves, Class II, 17000V, size 11	EA	6		
121	Rubber Sleeves, Class II, 17000V, straps and buttons, size medium	EA	6		
122	Rubber Sleeves, Class II, 17000V, straps and buttons, size large	EA	6		
123	Leather glove shells, gauntlet type, size 10	EA	6		
124	Leather glove shells, gauntlet type, size 12	EA	6		
125	Safety Glasses Clear and Tinted and Cases	EA	12		
126	Full Brim Hard Hat	EA	12		
127	Leather Work Gloves Gauntlet Medium	EA	12		
128	Boots, Climbing 8ea of sizes 9, 11, and 13	EA	24		
129	Cotton Liners, Rubber gloves(Large)	EA	25		
130	FR Coveralls, size medium (38" chest)	EA	4		
131	FR (Fire retardant )Coveralls, size large (42" chest)	EA	4		
132	FR Coveralls, size X-large (48" chest)	EA	4		
133	Lineman's Triple Square Wrench (Lowell Wrench) (Lowell part # 151T, brand name or equal)	EA	2		
134	Insulated Bug Wrench 9/16" x 3/4"	EA	3		
135	Insulated Bug Wrench 5/8" x 1/2"	EA	3		
136	Insulated Bug Wrench 3/8" x 9/16"	EA	3		
137	24" JLM Black Vinyl Tool Bag (brand	EA	3		

	name or equal)				
138	6' Nylon Pole Strap w/ Lock Straps	EA	4		
139	Lineman's Tool Belt Double Bar D	EA	6		
140	Side Cut Pliers	EA	6		
141	Tongue and Groove Pliers	EA	6		
142	Lineman's Bell Wrench 5/8" Hardware	EA	4		
143	SEPTOR Hardhat Flashlight Stream light (brand name or equal)	EA	4		
144	Buckfit Tower Harness	EA	4		
145	Klein double face lineman hammer (KLE part # 809-36, brand name or equal)	EA	4		
146	Klein zipper bag 12-1/2" x 7" (KLE part # 5139, brand name or equal)	EA	4		
147	Distribution Transformer Handbook (Alexander Publications # 774)	EA	4		
148	Adjustable wrench 10"	EA	4		
149	MIT520 5kV megger (brand name or equal)	EA	1		
150	Megger L1071 portable fault locator (brand name or equal)	EA	1		
151	HVI PTS75 DC Hi-pot high voltage (Brand name or equal)	EA	1		
152	Wire brush, 6" handle	EA	2		
153	File kit, round	EA	2		
154	Reciprocating saw, cordless, Uses the same power pack and by same manufacture as Cordless drill item 047	EA	1		
155	Saw blade kit (to match saw)	EA	2		
156	Welder/generator (Hobart Champion Elite, brand name or equal)	EA	1		

151	Compression H-Tap connectors, 120-120mm2 (see attachment)	EA	200		
157	Compression H-Tap connectors, 120-70mm2 (see attachment)	EA	60		
158	Compression H-Tap connectors, 120-50mm2 (see attachment)	EA	60		
159	Compression H-Tap connectors, 70-50mm2 (see attachment)	EA	60		
160	Skirted termination kit, outdoor, silicone rubber (see attachment)	EA	24		
161	Boring machine, horizontal (Prairie Dog model # 500RTW, brand name or equal)	EA	1		
162	Electrical tape, vinyl (3M Scotch 33+, brand name or equal)	EA	30		
163	Linerless splicing tape, rubber (3M Scotch 130C, brand name or equal)	EA	30		
164	Truck, pole and auger heavy duty (digger derrick truck), (Equivalent to Altec DL – DM, brand name or equal)	EA	1		
165	Truck, lineman's, medium duty medium voltage bucket truck (Equivalent to Altec L37M, brand name or equal)	EA	1		
166	Truck, pickup 6 PAX crew truck	EA	1		
<b>TOTAL- Bid Schedule A&amp;B, Pashmul</b>					<b>\$</b>

**BID SCHEDULES****SPIN BOLDAK****BID SCHEDULE A – OPTION 1 SPIN BOLDAK COMPLETION KIT**

<b>ITEM</b>	<b>DESCRIPTION</b>	<b>UOM</b>	<b>QTY.</b>	<b>UNIT PRICE</b>	<b>NET AMOUNT</b>
001	Aluminum automatic tension splice, ACSR 120/20 overall diameter 15.5mm	EA	175		
002	Aluminum automatic tension splice, ACSR 70	EA	50		
003	6 ft steel arm with mounting hardware to mount to item 004 See appendix M	EA	80		
004	40ft steel Electrical power utility pole, wood class 3 equivalent. (See appendix M for intending use)	EA	80		
005	20kV Insulator	EA	250		
006	Stud assembly for insulator	EA	250		
007	20kv dead end insulator	EA	80		
008	Aluminum wedge type tension clamp range to 120mm conductor(wire grip)	EA	80		
009	200 amp, 20kV three Phase fused cutout assemblies, maximum interrupt of 25kA with maximum voltage surge of 150kV	EA	175		
010	20kV lightning arrester with mounting hardware	EA	20		
011	Copper ground rod(16mm x 1800mm)	EA	40		
012	16mm copper ground rod clamp	EA	40		
013	16mm oval eye nut	EA	75		
014	Nut, 16mm x 200mm	EA	75		
015	16mm square washer 75mm x	EA	190		

	75mm x 8mm				
016	Al, #4 awg, soft drawn tie wire, 250 ft coil	COIL	3		
017	100 kVA distribution transformers, 20/0.4 kV, pole mounted (Yyn) Sealed type with all bushings and mounting hardware	EA	8		
018	50 kVA distribution transformers 20/0.4 kV, pole mounted (Yyn) Sealed type with all bushings and mounting hardware	EA	8		
019	60A 3 ph outdoor rated and lockable main distribution panel w/4ea 25amp 3ph feeder breakers and 6ea 10amp 1ph breaker, all 3 phase breakers will use lug type conductor connections	EA	20		
020	120/20 ACSR wire (20kv nominal)	M	75,000		
021	70 ACSR wire (20kv nominal)	M	11,000		
022	50 ACSR wire (20kv nominal)	M	9,000		
023	3x 50mm <sup>2</sup> ABC Quadruplex w/50mm <sup>2</sup> Neutral 600vac	M	21,000		
024	ABC pole mounting hardware	EA	420		
025	ABC splices for 50mm <sup>2</sup> ABC	EA	1000		
026	1 Ph, 10 (40) A meter	EA	1250		
027	1 Ph, 20 (60) A meter	EA	200		
028	3 Ph, 10 (40) A meter	EA	10		
029	3 Ph, 20 (60) A meter	EA	10		
030	3 Ph, 50 (100) A meter	EA	10		
031	3ph 5A w/CTs 200/5	EA	10		
032	Meter test device	EA	1		
033	Boundary/logger, 3Ph, 20kV	EA	3		

034	630A, 20kv three phase gang air switches	EA	24		
035	2A type "H" Fuse links for item 009 "20kv three fused cutout assemblies"	EA	100		
036	4A type "H" Fuse links for item 009 "20kv three fused cutout assemblies"	EA	100		
037	10A type "K" Fuse links for item 009 "20kv three fused cutout assemblies"	EA	100		
038	15A type "K" Fuse links for item 009 "20kv three fused cutout assemblies"	EA	100		
039	100A type "K" Fuse links for item 009 "20kv three fused cutout assemblies"	EA	100		
040	200A type "K" Fuse links for item 009 "20kv three fused cutout assemblies"	EA	100		
041	100A 3 ph outdoor rated and lockable main distribution panel w/4ea 32amp 3ph feeder breakers and 6ea 10amp 1ph breaker. All 3pahse breakers will use lug type conductor connections.	EA	20		
042	200A 3 ph outdoor rated and lockable main distribution panel w/2ea 100amp, 2ea 60amp, 4ea 32amp 3ph feeder breakers and 6ea 10amp 1ph breaker. All 3pahse breakers will use lug type conductor connections.	EA	15		
043	4X50mm <sup>2</sup> cable solar rated direct lay and direct burial shielded 600vac rated.	M	1,000		
044	4X95mm <sup>2</sup> cable solar rated direct	M	1,000		

	lay and direct burial shielded 600vac rated.				
045	50mm2 termination compression lugs for AL ABC Quadruplex conductor sized to match the Main distribution panel low voltage feeder breaker lug connections	EA	22,000		
046	95mm2 termination compression lugs for CU sized to match the Main distribution panel low voltage feeder breaker lug connections	EA	300		
047	120mm2 termination compression lugs sized to match the 120mm2 ACSR overhead MV cable	EA	600		
048	70 mm2 termination compression lugs sized to match the 70 mm2 ACSR overhead MV cable	EA	300		
049	50 mm2 termination compression lugs sized to match the 50 mm2 ACSR overhead MV cable	EA	120		

<b>BID SCHEDULE B – <u>OPTION 1</u> BID SPIN BOLDAK COMPLETION KIT</b>					
<b>ITEM</b>	<b>DESCRIPTION</b>	<b>UOM</b>	<b>QTY.</b>	<b>UNIT PRICE</b>	<b>NET AMOUNT</b>
001	Digging bar	EA	2		
002	Canvas bucket, Electrician , with canvas handle	EA	4		
003	Clamp around amprobe/ multimeter digital Fluke (brand name or equal)	EA	3		
004	Multimeter, Fluke 87(Brand name or equal)	EA	4		
005	Phasemeter, 24kV, C/O bag, Canvas	EA	2		
006	Drill set, twist high speed 1/16 to 1/2 in. X 32nds	EA	2		
007	File, hand flat style 12" long	EA	2		
008	Plumb bob, steel	EA	2		
009	Ratchet cable cutter, heavy duty, cut to 1500MCM	EA	2		
010	Shovel, 5' spade	EA	2		
011	Shovel, 5' square	EA	2		
012	Shovel, handle 96" long, 11" Blade	EA	2		
013	Spoon, telegraph handle 93" long	EA	2		
014	8' Universal Stick (Hot Stick)	EA	2		
015	Tamper, hand 90" long	EA	2		
016	Bit, auger, steel 0.678 in. dia. 15.75 in length	EA	3		
017	Drill, set, twist, high speed Steel	EA	2		
018	Wrench, Adjustable (10")	EA	2		
019	Wrench, Pipe (4in Jaw)	EA	2		
020	Three phase Medium voltage Grounding Set (Salisbury #2403, brand name or equal)	EA	2		
021	8' Collapsible Universal (Hot Stick)	EA	3		
022	12 lbs Sledge Hammer	EA	3		

023	3" Chisel Bit for Hydraulic Jack Hammer, 1-1/8" x 6" Shank	EA	2		
024	5" Asphalt Cutter Bit for Hydraulic Jack Hammer, 1-1/8" x 6" Shank	EA	2		
025	4' Point Bit	EA	2		
026	Bit, Auger 1-1/16" x 18" long ***Must Fit Hex Quick Change Chuck***	EA	2		
027	Bit, Auger 11/16" x 18" long ***Must Fit Hex Quick Change Chuck***	EA	2		
028	Bit, Auger 13/16" x 18" long ***Must Fit Hex Quick Change Chuck***	EA	2		
029	Bit, Auger 15/16" x 18" long ***Must Fit Hex Quick Change Chuck***	EA	2		
030	Block and Tackle (750lb max load) w/ 25' Rope and Swivel Hook	EA	2		
031	Bolt Cutter, 24" long, fiberglass handle, cutting up to 1/2" Steel bolt	EA	2		
032	Capstan Head 4000 lbs Must be compatabel on Line man Truck. (part # Altec 900-10727, brand name or equal)	EA	2		
033	Hose Bag 6' Canvas	EA	2		
034	Hydraulic Jack Hammer (Paving Breaker) 45lbs class, 1-1/8" x 6" shank (Stanley part # 79-BR45120E, brand name or equal)	EA	2		
035	Hydraulic Cable Cutter, Cutting cap up to 3/4" ACSR (huskies tools #S-20, brand name or equal)	EA	2		
036	Hydraulic Crimping tool 6.2 ton HD (low pressure) for cable splicing	EA	2		

	(3-4 Side Crimp) (part # Stanley CT06, brand name or equal)				
037	Hydraulic Drill High Torque ( 1/2" Chuck) w/ Hex Quick Change Chuck (STANLEY ID04 IMPACT DRILL part # 79-ID04810, brand name or equal)	EA	2		
038	Hydraulic Tamper (Stanley part # 79-TA54103, brand name or equal)	EA	2		
039	Impact Wrench Holder, Outside Bucket Mount, Polymer Material	EA	2		
040	Mechanical Hoist 1.5 Ton, Chain (Coffing Hoists part # 98-C309-0440, brand name or equal)	EA	2		
041	Mechanical Hoist 1.5 Ton, Strap (Coffing Hoists part # 86-344DA, brand name or equal)	EA	2		
042	Metal Straight Garden Rake	EA	2		
043	Outrigger Pads (Poly)(Altec part # 692-93078, brand name or equal) Must be compatible with Linemen truck	EA	4		
044	Parallel Jaw Grip, up to 7/8" cable, 4500lbs safe load	EA	3		
045	Clamp stick, Shotgun, Hot stick 8' length	EA	2		
046	Collapsible Donner Reel (utility tool and trailer part # 98-176A78, brand name or equal)	EA	2		
047	Drill, Power Driver and Hammer drill, 18V Cordless w/ Battery, Case and Charger (Dewalt part # DEW989K-2, brand name or equal)	EA	2		
048	Ground Rod Driver Bit for Hydraulic Jack Hammer, 1-1/8" x 6" shank	EA	2		
049	Guy Grip, for 1/4 to 1/2 in. cap, safe load 8000lbs	EA	2		
050	Nylon hand line blocks	EA	2		

051	Hand lines and Hooks, 75' rope line with snap swivel hook max safe load of 250lbs	EA	2		
052	Haven Grip, up to 3/4 cap, safe load 8000lbs	EA	3		
053	Pole Wrench, Nylon Web Strap (7.5k lbs strength) w/ 4' Fiberglass Handle	EA	2		
054	Tool Organizer, Bucket, Polyboard	EA	2		
055	High Voltage Detector w/ Case (Hubbel Power Systems part # 984244b, brand name or equal)	EA	2		
056	24' Extension Ladder (part # Kipper WER-D7254-2) Fiberglass or other non conductive for electrical work (brand name or equal)	EA	4		
057	Safety Cone	EA	12		
058	Sign base	EA	3		
059	Expandable Sign	EA	3		
060	Ratchet Straps (for poles)	EA	12		
061	Straw Push Broom	EA	2		
062	Bucket Hooks	EA	12		
063	Rotation Meter Kit, Phase and Motor, low voltage 600Vac	EA	2		
064	Swivel anchor hook 750lb safe working load	EA	6		
065	Aerial Emergency rescue system, one man (Hydron part # 41-101SR-50, brand name or equal)	EA	2		
066	Gas and Oil Safety Can 2gal captivity (EAGLE Can, Safety, 2 Type, 2 G # U2-26S, brand name or equal)	EA	2		
067	Pole Trailing Drawbar w/ pintle ring (Altec part # 9000-08137, brand name or equal)	EA	2		

068	Utility Pole Safety towing /Directional Lights (with light cord) like(Altec part #9000-70278, brand name or equal)	EA	2		
069	Safety Flags	EA	8		
070	Digging Skirt 10'x10' ( <a href="http://www.dirtskirt.com">www.dirtskirt.com</a> , brand name or equal)	EA	2		
071	Grounding Reel for Truck	EA	2		
072	Bucket Bin	EA	2		
073	Load Buster Tool (S&C Electric Co. # 5300R3, brand name or equal)	EA	2		
074	Spot Light vehicle mounted and power with remote control (Go Light #2020, brand name or equal)	EA	2		
075	Chain Sling like (Columbus Mckinnon Corp # cm604442r5, brand name or equal)	EA	3		
076	Shackles, like (Columbus Mckinnon Corp. #490M852g, brand name or equal)	EA	6		
077	10' Nylon Sling	EA	3		
078	4' Nylon Sling	EA	3		
079	Transformer Sling	EA	2		
080	Link Stick	EA	2		
081	Nut Runner (Fairmont/Greenlee NR1 nut runner, brand name or equal)	EA	2		
082	Socket Set Non Insulated 3/8"-1 1/8"	EA	2		
083	Wrench Set 3/8"-1 1/8" (open end closed end combo)	EA	2		
084	Fire Extinguisher (ABC)	EA	2		
085	First Aid Kit with ADE (Automatic Defibrillator)	EA	2		
086	24" Wire Cutters "Loppers"	EA	2		

	(fiberglass handle)				
087	5 Pocket Tool Holster	EA	12		
088	8" Flat Tip Screwdriver	EA	2		
089	Fiberglass Rule	EA	2		
090	Side Cutting Pliers	EA	2		
091	Channel Lock Pliers	EA	2		
092	Skinning Knife	EA	2		
093	200' Reel Mule Tape "Lashing Rope" 1500lbs Breaking Strength	EA	2		
094	Lewis Pulling Grips for Various Size Wire (Chinese finger trap, brand name or equal)	EA	2		
095	Stream light Rechargeable Flash Light (brand name or equal)	EA	2		
096	6" Phillips Head Screwdriver	EA	2		
097	Reciprocating saw blade kit (matches Sawsall)	EA	2		
098	Cordless Sawsall matches power pack and manufacture of item 47	EA	2		
099	Power Inverter 1000w with 2 outlets (Inverter needs to produce 220v AC can be changed to 1 outlet if need)	EA	2		
100	3lb Lineman Hammer	EA	2		
101	Gin, Pole, Heavy-Duty, Fiberglass, 35" long	EA	2		
102	Insulation Blanket, Electrical, Plastic, orange color, Split 36" x 36" x 1/8", w/ 12 buttons (Salisbury model #1300, brand name or equal)	EA	2		
103	Insulation Blanket, Electrical, RBR Blanket for covering Bus bar conductors, Cross arms 36"x 36" (Salisbury model #900E, brand	EA	2		

	name or equal)				
104	Tester, Leak, Lineman's Rubber Glove, Bench Hand Pump (Salisbury model #g99, brand name or equal)	EA	1		
105	Tube, Mailing and FI, Plastic, Polyethylene, 6" x 37" (Long Hi-Line Utility Supply Co. # 2835, brand name or equal)	EA	3		
106	Axe, single bit 4lbs	EA	2		
107	Level and Plumb, AL, Double Face, 24" long	EA	2		
108	Disconnect Head, Universal Stick	EA	2		
109	Head, Eye, Universal Stick Shotgun adaptor	EA	2		
110	Wire Tie Blade, Fixed, Universal Stick	EA	2		
111	Hot Line Stick, Fiberglass, 10' Long	EA	2		
112	Stringing sheave cross arm assembly (Sherman Reilly part # xs-100-lb, brand name or equal)	EA	2		
113	Stringing Sheave (Sherman Reilly part # mdl12, brand name or equal)	EA	24		
114	Wrench, Ratchet, Universal Stick	EA	2		
115	Jack stands, (Jack stands are not sold in sets. You must order 18 total, Greenlee part # 656, brand name or equal)	EA	6		
116	Jack stand spindle,(Greenlee part # 657, brand name or equal)	EA	6		
117	Metric Measuring Wheel (Keson part # MP301M, brand name or equal)	EA	2		
118	Combination Glove & Sleeve Bag 18 x 8 x 8 (Estex Type 2426-1, brand name or equal)	EA	3		

119	Rubber Gloves, Class II, 17000V, size 9	EA	6		
120	Rubber Gloves, Class II, 17000V, size 11	EA	6		
121	Rubber Sleeves, Class II, 17000V, straps and buttons, size medium	EA	6		
122	Rubber Sleeves, Class II, 17000V, straps and buttons, size large	EA	6		
123	Leather glove shells, gauntlet type, size 10	EA	6		
124	Leather glove shells, gauntlet type, size 12	EA	6		
125	Safety Glasses Clear and Tinted and Cases	EA	12		
126	Full Brim Hard Hat	EA	12		
127	Leather Work Gloves Gauntlet Medium	EA	12		
128	Boots, Climbing 8ea of sizes 9, 11, and 13	EA	24		
129	Cotton Liners, Rubber gloves(Large)	EA	25		
130	FR Coveralls, size medium (38" chest)	EA	4		
131	FR (Fire retardant )Coveralls, size large (42" chest)	EA	4		
132	FR Coveralls, size X-large (48" chest)	EA	4		
133	Lineman's Triple Square Wrench (Lowell Wrench) (Lowell part # 151T, brand name or equal)	EA	2		
134	Insulated Bug Wrench 9/16" x 3/4"	EA	3		
135	Insulated Bug Wrench 5/8" x 1/2"	EA	3		
136	Insulated Bug Wrench 3/8" x 9/16"	EA	3		
137	24" JLM Black Vinyl Tool Bag (brand	EA	3		

	name or equal)				
138	6' Nylon Pole Strap w/ Lock Straps	EA	4		
139	Lineman's Tool Belt Double Bar D	EA	6		
140	Side Cut Pliers	EA	6		
141	Tongue and Groove Pliers	EA	6		
142	Lineman's Bell Wrench 5/8" Hardware	EA	4		
143	SEPTOR Hardhat Flashlight Stream light (brand name or equal)	EA	4		
144	Buckfit Tower Harness	EA	4		
145	Klein double face lineman hammer (KLE part # 809-36, brand name or equal)	EA	4		
146	Klein zipper bag 12-1/2" x 7" (KLE part # 5139, brand name or equal)	EA	4		
147	Distribution Transformer Handbook (Alexander Publications # 774)	EA	4		
148	Adjustable wrench 10"	EA	4		
149	MIT520 5kV megger (brand name or equal)	EA	1		
150	Megger L1071 portable fault locator (brand name or equal)	EA	1		
151	HVI PTS75 DC Hi-pot high voltage (Brand name or equal)	EA	1		
152	Wire brush, 6" handle	EA	2		
153	File kit, round	EA	2		
154	Reciprocating saw, cordless, Uses the same power pack and by same manufacture as Cordless drill item 047	EA	1		
155	Saw blade kit (to match saw)	EA	2		
156	Welder/generator (Hobart Champion Elite, brand name or equal)	EA	1		

151	Compression H-Tap connectors, 120-120mm2 (see attachment)	EA	200		
157	Compression H-Tap connectors, 120-70mm2 (see attachment)	EA	60		
158	Compression H-Tap connectors, 120-50mm2 (see attachment)	EA	60		
159	Compression H-Tap connectors, 70-50mm2 (see attachment)	EA	60		
160	Skirted termination kit, outdoor, silicone rubber (see attachment)	EA	24		
161	Boring machine, horizontal (Prairie Dog model # 500RTW, brand name or equal)	EA	1		
162	Electrical tape, vinyl (3M Scotch 33+, brand name or equal)	EA	30		
163	Linerless splicing tape, rubber (3M Scotch 130C, brand name or equal)	EA	30		
164	Truck, pole and auger heavy duty (digger derrick truck), (Equivalent to Altec DL - DM)	EA	1		
165	Truck, lineman's, heavy duty medium voltage bucket truck (Equivalent to Altec AM 60)	EA	1		
166	Truck, lineman's, medium duty medium voltage bucket truck (Equivalent to Altec L37M)	EA	1		
167	Trailer, pole heavy duty (Equivalent to Altec ETX)	EA	1		
168	Truck, pickup 6 PAX crew truck	EA	1		
<b>TOTAL- Bid Schedule A&amp;B, Spin Boldak</b>					<b>\$</b>

3. Instruction to Offerors is revised as follows:

## **INSTRUCTIONS TO OFFERORS**

### **1. GENERAL**

This project consists of the procurement and delivery of equipment and materials for the Afghan Government owned electric utility system, Da Afghanistan Breshna Shirkat (DABS). All electrical equipment and materials procured shall be in new condition, not used previously or reconditioned.

The intent of this Request for Quote is to select one contractor for the purchase of electrical equipment and materials.

The basis of award is Lowest Price for electrical equipment and materials that meet the technical requirements in the SCOPE OF WORK. The Contracting Officer will award a firm fixed price contract to the responsible offeror.

Awarded Option 1 is subject to availability of funds.

### **2. QUOTE SUBMISSION REQUIRMENTS**

#### **BID SCHEDULES**

The offeror shall complete and submit the BID SCHEDULES.

### **3. QUOTE SUBMISSION ADDRESS**

Proposal must be submitted electronically (softcopy).

Softcopy proposals are to be submitted to the following email address: [john.m.perez@usace.army.mil](mailto:john.m.perez@usace.army.mil) AND [TAS.Contracting@usace.army.mil](mailto:TAS.Contracting@usace.army.mil)

Proposals will be accepted until the date and time on Block #8 of the Standard Form 1449. This is LOCAL KANDAHAR, AFGHANISTAN time.

### **4. CONTRACT OPTION 1 (SPIN BOLDAK)**

**The contractor will be notified at contract award if Option 1 (Spin Boldak) will be exercised.**

### **5. COMPLETION OF WORK**

AT CONTRACT AWARD, the vendor shall submit sample meters; one each of the power meters listed as Bid Schedule A, item 026-030. The vendor will have four weeks (32 days) from contract award to submit the sample meters. Each sample submitted shall be fully functional for testing and must meet the requirements as stated in SOW and specifications identified in Appendix A. The sample meters will be evaluated by the Government for a period of two weeks at which time the contractor will be notified of acceptance. The contractor will not order items 026-030 and item 032 until the Government has issued notice of acceptance.

All items listed in the bid schedules must meet the requirements of Appendicies B-M, where applicable. All items identified by manufacturer and part number must meet the requirements of FAR Clause 52.111-6 (Brand Name or Equal). Each item will be evaluated up receipt by the government and rejected if found not be in compliance with the requirements of this RFQ in accordance with FAR Clause 52.212-4(a). All rejected items will be returned at no expense to the Government. All rejected items will be replaced at no expense to the Government.

Any item not specified in an Appendix or identified by manufacturer and part number may be industry standard.

All items, with the exception of 026-030 and 032, may be ordered upon notification of award.

**-- END OF SECTION --**

4. Scope of Work is revised as follows:

## **SCOPE OF WORK (SOW)**

### **1. SUMMARY OF WORK**

The Kajaki Dam is currently undergoing renovations which include the installation of a third turbine which will increase its power output. This power will be distributed to the several towns, villages, and cities benefiting from the power generation of the dam. Simultaneously, Da Afghanistan Breshna Shirkat (DABS) is developing a new nationwide electrical commercialization process to increase revenue generation throughout the country. The implementation of the plan and the necessary maintenance on the distribution and connection grids in the Kandahar Province is coinciding with the economic growth expected from the rehabilitation of the dam and the additional power available. Without the improved electrical network the quality of life, commercial growth, and revenue generation remain stagnant.

The purpose of this project is to procure and deliver all necessary equipment and material for use by the Government of the Islamic Republic of Afghanistan's (GIROA) electrical utility company DABS in the rehabilitation of existing 20kV distribution grids and 400V final connections to the South Eastern Power System (SEPS). The completion of the SEPS in Kandahar Province, Afghanistan, includes the repairs as indicated above and the installation of new electrical monitoring meters to support the revenue collection efforts of DABS.

The scope of work for this project can be summarized in two direct work directives. One, supply the necessary equipment and tools to enable the DABS' employees to provide sustainment in the maintenance and operation of existing 20kV and 400V power grids and two, supply the material and metering required to meet the current and future needs of the DABS commercialization plan.

#### **1.1 ENGLISH LANGUAGE REQUIREMENT**

All information shall be presented in English. The Contractor shall have a minimum of one English-speaking representative to communicate at all times.

#### **1.2 QUALITY CONTROL**

The Contractor is responsible for the quality of materials supplied. Quality Control (QC) includes all activities required to ensure that the project deliverable meets the minimum requirements set forth in this SOW and technical specifications of this Request For Quote (RFQ).

#### **1.3 TECHNICAL REQUIREMENTS**

The list and description of equipment and material required is provided on the Bid Schedule.

All electrical equipment and materials to be procured under this contract shall have UL (Underwriters Laboratories Inc) and or CE (Conformité Européenne) markings and have verifiable UL and CE certifications and or documentations.

All MV devices and components are for 20kv nominal voltage and 25kv max ratings. All Low voltage components and devices are for 400vac nominal and 600vac max 50Hz operation. Tools requiring AC power for operation and or charging will be dual voltage and frequency or set for 220-230 vac single phase 50Hz supply voltage.

All tools and materials are required to have instructions in English and Pashto.

All materials will come in a packaged configuration that will allow stacking of at least two high and be able to be handled by a fork lift. No items will be shipped lose. Any exceptions to this must be requested and approved in writing by the Contracting Officer.

All rechargeable hand tools will be able to use interchangeable rechargeable power packs.

See SOW Section 6, Appendices for technical requirements where applicable.

## **2. DELIVERY**

All the equipment and material needs to be delivered as soon as possible; no later than 180 days after contract award.

## **3. LOCATION**

Equipment and materials shall be delivered to the following:

Shorandam Industrial Park  
POC: SGT Terry Dietrich (249th Prime Power)  
PHONE: 312-265-1597

Grid Coordinates: 41RQQ6779097385

## **4. BRAND NAME OR EQUAL SPECIFICATIONS (FAR 36.202).**

Whenever a brand name or manufacturer's specification is used throughout this SOW as a means to identify a particular item(s), the contractor shall have the option to submit for review and approval items by other manufactures if the Item(s) is considered an "or equal" having similar physical, performance and functional characteristics. The purchase description of a brand name item reflects the characteristics and level of quality that will satisfy the Government's needs (FAR 52.211-6). Nothing in this SOW is intended to limit full and open competition.

## **5. COMPLETION OF WORK**

AT CONTRACT AWARD, the vendor shall submit sample meters; one each of the power meters listed as Bid Schedule A, item 026-030. The vendor will have four weeks (32 days) from contract award to submit the sample meters. Each sample submitted shall be fully functional for testing and must meet the requirements as stated in SOW and specifications identified in Appendix A. The sample meters will be evaluated by the Government for a period of two weeks at which time the contractor will be notified of acceptance. The contractor will not order items 026-030 and item 032 until the Government has issued notice of acceptance.

All items listed in the bid schedules must meet the requirements of Appendices B-M, where applicable. All items identified by manufacturer and part number must meet the requirements of FAR Clause 52.111-6 (Brand Name or Equal). Each item will be evaluated up receipt by the government and rejected if found not be in compliance with the requirements of this RFQ in accordance with FAR Clause 52.212-4(a). All rejected items will be returned at no expense to the Government. All rejected items will be replaced at no expense to the Government.

Any item not specified in an Appendix or identified by manufacturer and part number may be industry standard.

All items, with the exception of 026-030 and 032, may be ordered upon notification of award.

## **6. LIST OF APPENDIXICES**

APPENDIX A - SINGLE AND THREE PHASE METERS

APPENDIX B - BOUNDARY LOGGER 3 PH 20 KV

APPENDIX C – REINFORCED CONCRETE POLE

APPENDIX D – WEATHER STATION

APPENDIX E - TERMINAL LUGS

APPENDIX F - TECHNICAL DATA OVERHEAD LINE CONDUCTORS

APPENDIX G – MEDIUM VOLTAGE FUSE LINKS

APPENDIX H - TERMINATION KIT

APPENDIX I – WORK TRUCK SPECIFICATIONS

APPENDIX J - CREW CAB SPECIFICATIONS

APPENDIX K - INVERTER

APPENDIX L - H-TAP CONNECTORS.

APPENDIX M - CHAPTER U, DISTRIBUTION STANDARDS

**-- END OF SECTION --**

5. The following contract clauses are added in full text:

### **52.211-6, Brand Name or Equal (Aug 1999)**

(a) If an item in this solicitation is identified as “brand name or equal,” the purchase description reflects the characteristics and level of quality that will satisfy the Government’s needs. The salient physical, functional, or performance characteristics that “equal” products must meet are specified in the solicitation.

(b) To be considered for award, offers of “equal” products, including “equal” products of the brand name manufacturer, must—

- (1) Meet the salient physical, functional, or performance characteristic specified in this solicitation;
- (2) Clearly identify the item by—
  - (i) Brand name, if any; and
  - (ii) Make or model number;
- (3) Include descriptive literature such as illustrations, drawings, or a clear reference to previously furnished descriptive data or information available to the Contracting Officer; and
- (4) Clearly describe any modifications the offeror plans to make in a product to make it conform to the solicitation requirements. Mark any descriptive material to clearly show the modifications.

(c) The Contracting Officer will evaluate “equal” products on the basis of information furnished by the offeror or identified in the offer and reasonably available to the Contracting Officer. The Contracting Officer is not responsible for locating or obtaining any information not identified in the offer.

(d) Unless the offeror clearly indicates in its offer that the product being offered is an “equal” product, the offeror shall provide the brand name product referenced in the solicitation.

(End of provision)

**52.217-5, Evaluation of Options (JUL 1990)**

Except when it is determined in accordance with FAR 17.206(b) not to be in the Government's best interests, the Government will evaluate offers for award purposes by adding the total price for all options to the total price for the basic requirement. Evaluation of options will not obligate the Government to exercise the option(s).

(End of provision)

**52.232-18, Availability of Funds (APR 1984)**

Funds are not presently available for this contract. The Government's obligation under this contract is contingent upon the availability of appropriated funds from which payment for contract purposes can be made. No legal liability on the part of the Government for any payment may arise until funds are made available to the Contracting Officer for this contract and until the Contractor receives notice of such availability, to be confirmed in writing by the Contracting Officer.

(End of provision)