

	Description	QTY.	UNIT	SIZE/SPEC	UNIT COST	AMOUNT
I	<b>ELECTRICAL WORKS</b>					
A.	<b>MATERIALS</b>					
	<b>I. Pole</b>					
	Concrete Pole		pcs	30', Class 5, 1000kgs. (min load Brk.)		
	Concrete Pole		pcs	35', Class 3, 1400kgs. (min. load Brk.)		
	<b>II. Primary Assembly</b>					
	Anchor, Shackle		pcs			
	Oval Eye Bolt, Forged		pcs.	5/8"Ø x 10", Hot Dipped Galvanized		
	Oval Eye Bolt, Forged		pc.	5/8"Ø x 18", Hot Dipped Galvanized		
	Clamp, Conductor Deadend Strain		pcs.	#1/0 AWG		
	Conductor Loop Deadend Clamp		pcs.	#1/0 AWG		
	Clevis, Secondary Swinging		pcs.	without spool, Hot Dipped Galvanized		
	Compression Connector		pcs.	#6-#1/0 to #6-#2		
	Connector, Hotline Clamp		pc.			
	Spool Insulator		pcs.	1-3/4" groove dia., ANSI Class 53-2		
	Insulator, Suspension		pcs.	6", ANSI Class 52-1		
	Nut, Eye, Conventional		pcs.	5/8"Ø		
	Locknut, MF Type		pcs.	5/8"Ø		
	Tape, Armor		m	Aluminum Alloy, 0.05' x 930'		
	Washer, Square, Flat		pcs.	2-1/4" x 2-1/4" x 3/16", 13/16" Hole		
	<b>III. Secondary Assembly</b>					
	Machine Bolt		pcs	5/8" x 10"		
	Oval Eye Bolt, Forged		pcs.	5/8"Ø x 10", Hot Dipped Galvanized		
	Bracket, Insulated		pcs.	without 3" groove Spool Insulator		
	Conductor Loop Deadend Clamp		pcs.	#2		
	Clevis, Secondary Swinging		pcs.	without spool, Hot Dipped Galvanized		
	Spool Insulator		pcs.	1-3/4" groove dia., ANSI Class 53-2		
	Spool Insulator		pcs.	3" groove dia., ANSI Class 53-4		
	Locknut, MF Type		pcs.	5/8"Ø		
	Rod, Armor, Preformed		set	#1/0 Single Support		
	Tape, Armor		m	Aluminum Alloy, 0.05' x 930'		
	Washer, Square, Flat		pcs.	2-1/4" x 2-1/4" x 3/16", 13/16" Hole		
	Tie Wire, Solid		m	#4 AWG, Soft Aluminum Alloy		
	<b>IV. Grounding Assembly</b>					
	Compression Connector		pcs	YHD150		
	Ground Rod (Clamp) Connector		pcs	5/8" Steel		
	Split Bolt Connector		pcs	#1/0 ACSR Max.		
	Ground Rod, Steel		pcs	5/8" x 10'		
	Grounding Wire, Soft Iron		mtrs	Class C, 5/16" dia., 3-Strand		
	Grounding Wire, Aluminum		mtrs	#4 AWG, 3-strand, MHD		
	<b>V. Guy Assembly</b>					
	Attachment, Guy, Formed Strap		pcs.	5/8" bolt		
	Machine Bolt		pcs	5/8" x 10"		
	Clamp, Anchor Bonding		pcs.	Single Eye Rod		
	Clamp, Guy, Straight		pcs.	3-Bolt, Light Duty, 7/16" max.		
	Compression Connector		pcs.	#6-#1/0 to #6-#2		
	Guy Guard		pcs.	8ft Plastic, Full Round Yellow, 1"Ø		
	Locknut, MF Type		pcs.	5/8"Ø		
	Washer, Square, Flat		pcs.	2-1/4" x 2-1/4" x 3/16", 13/16" Hole		
	Grounding Wire, Aluminum		mtrs	#4 AWG, 3-strand, MHD		
	Guy Wire, Steel		mtrs	1/8", 7-Strand, High Strength		
				<b>SUB TOTAL</b>		

Description	QTY.	UNIT	SIZE/SPEC	UNIT COST	AMOUNT
<b>VI. Anchor Assembly</b>					
Anchor Log		pcs.	8" dia. X 4', Treated, #8000		
Anchor Rod, Threaded		pcs.	Thimble Eye, 5/8" x 7'		
Washer, Square, Flat		pcs.	4" x 4" x 1/2", 13/16" hole		
<b>VII. Transformer Assembly</b>					
Machine Bolt		pcs	5/8" x 12"		
Transformer Pole Mounting Bracket		sets	JFI Stock No. C6051-01, No. of Plate Dummy = 3, No. of Bracket=1 Hot Dipped Galvanized 80 microns per ASTM A123-00.		
THW Wire, Stranded		mtrs	#4 AWG		
THW Wire, Stranded		mtrs	#6 AWG		
Compression Connector		pcs.	#6-#1/0 to #6-#2		
Locknut, MF Type		pcs	5/8"		
Rod, Armor, Preformed		set	#1/0 Single Support		
Transformer, external rotary tap changer copper primary and secondary winding		units	15 kVA, Single Phase, 2HV Bushing 13200 grnd Y/7620 - 120/240 volts, 60Hz, Additive, BIL 95kV at HV & 30kV at LV, %imp w/in -2.0+/-10% tol. at 85°C no-load, Max. -50W at 30°C Load loss, Max. -195W at 85°C.		
Washer, Square, Flat		pcs	2-1/4" x 2-1/4" x 13/16" hole		
<b>VIII. Miscellaneous Assembly</b>					
Lightning Arrester		pcs	Nominal Voltage: 10kV, MCOV: 8.4 kV TOV @ 15 sec: 11.9kV, BIL: 95kV max. discharge voltage @ 10kA: 36kV		
Mounting Bracket for Cutout and Arrester		pc.	JFL C6054-MB, Structural Steel per ASTM A36-97a, Hot Dipped Galv. per ASTM A123-00.		
Compression Connector		pcs.	#6-#1/0 to #6-#2		
Hot Line Clamp Connector		pcs	#336-6 run to #2/0-6		
Fused Cutout		pcs	100 Amp, 7.8/13.5 kV		
Fuse Link, Universal, Bottom Head		pcs	15 K, 15A		
<b>IX. Conductor</b>					
Conductor, Bare		m	ACSR, #1/0 AWG, 6/1 Strand		
Conductor, Duplex		m	ACSR, #1/0 AWG, 6/1 Strand		

**B. LABOR**

CENECO INSTALLATION COST (Contractor Installation and CENECO Supervision)