

	Description	QTY.	UNIT	SIZE/SPEC	UNIT COST	AMOUNT
I	ELECTRICAL WORKS					
A.	MATERIALS					
	I. Pole					
	Concrete Pole		pcs	30', Class 5, 1000kgs. (min load Brk.)		
	Concrete Pole		pcs	35', Class 3, 1400kgs. (min. load Brk.)		
	II. Primary Assembly					
	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		
	III. Secondary Assembly					
	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		
	IV. Grounding Assembly					
	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		
	V. Guy Assembly					
	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		

Description	QTY.	UNIT	SIZE/SPEC	UNIT COST	AMOUNT
VI. Anchor Assembly					
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		
VII. Transformer Assembly					
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		
VIII. Miscellaneous Assembly					
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		
IX. Conductor					
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)