

BOQ

Name of work :- Construction of Tubular pole foundation and supply of all required materials for necessary erection of Shield wire at 33kV Tubular Bus at 132kV Kahilipara GSS, AEGCL.

Name & Address of Bidder :-

Sl. No.	Description of Item	Qty	Unit	Rate	Amount
A	SUPPLY OF MATERIALS				
1	GI Steel Tubular Pole SP-80 (16mtr)	5	Nos		
2	7/3.15mm GSS wire for shielding	1200	Mtr		
3	Tension fittings for 7/3.15mm Earth wire	20	Nos		
4	Earth wire connector (PG clamp)	20	Nos		
5	Clamp for clamping 7/3.15mm GSS wire to structure	40	Nos		
6	40mm Dia 3mtr long GI Rod earth electrode	5	Nos		
7	75 x 12mm GI flats	50	Mtr		
				SUB-TOTAL =	
				GST @ 18% =	
				TOTAL (A)=	
B	ERECTION & FOUNDATION WORKS				
1	Erection of GI Steel Tubular Pole SP-80 (16mtr) along with necessary foundation				
(a)	Civil works				
1	Earth work in excavation for foundation trenches of walls retaining walls, footings of column, steps, septic tank etc. including refilling the quantity as necessary after removal of surplus earth with all lead and lifts as directed and specified. (A) Up to a depth of 2.00 m below the existing ground level. (a) In ordinary soil. $5 \times 0.60 \times 0.60 \times 2.50 = 4.50$ $\text{Total} = 4.50$	4.50	cum		
2	Plain cement concrete works with coarse aggregate of sizes 13mm to 32mm in foundation bed for footing steps, walls, brick works etc as directed and specified including dewatering if necessary, and curing complete (shuttering where necessary shall be measured and paid separately). (a) In prop 1:3:6 aggregate by volume. Footing $5 \times 0.60 \times 0.60 \times 0.100 = 0.18$ $\text{Total} = 0.18$	0.18	cum		
3	Providing and laying Plain/Reinforced cement concrete works in prop 1:2:4 including dewatering if necessary, and curing complete but excluding cost of form work and reinforcement for reinforced cement concrete works (shuttering where necessary shall be measured and paid separately). (I) Using mixture machine. (A) In sub structure up to plinth level. (b) M20 or Prop 1:1.5:3 Upto Plinth level Footing $5 \times 0.60 \times 0.60 \times 2.40 = 4.32$ $\text{Total} = 4.32$	4.32	cum		
(b)	Analysis rate				
1	Labour charge for removing existing gravel from the switchyard and breaking off PCC or RCC foundation if found any during excavation of the new post in the switchyard and erection of the post.				

	No of Skilled labour required for 6 days 6 x 3 = 18	18	Mandays		
	No of semiskilled labour required for 6 days 6 x 7 = 42	42	Mandays		
2	7/3.15mm GSS wire for shielding	1200	Mtr		
3	Tension fittings for 7/3.15mm Earth wire	20	Nos		
4	Earth wire connector (PG clamp)	20	Nos		
5	Clamp for clamping 7/3.15mm GSS wire to structure	40	Nos		
6	40mm Dia 3mtr long GI Rod earth electrode	5	Nos		
7	75 x 12mm GI flats	50	Mtr		
				SUB-TOTAL =	
				GST @ 18% =	
				TOTAL (B) =	
				GRAND TOTAL (A + B)=	