

**SUPPLY AND INSTALLATION OF STREET LIGHTS AT NEWLY CONSTRUCTED AREA OF TOWNSHIP, ITPS**

**BILL OF QUANTITIES**

Sl. No.	Item Description	Qty.	Unit	Rate	Amount
1	<p>Supplying and fixing steel tubular swan neck swaged pole of following specification and as per IS: 2713 ( Part – I, III ) : 1980 and of tested quality of steels of minimum tensile strength 540 MPa suitable for fixing the street light , painting with minimum 2 coat of silver oxide paint over a coat of primer, earthing the body etc as required. Poles shall be well-finished, clean and free from harmful surface defects. Ends of the poles shall be cut square. Poles shall be straight, smooth and cylindrical. The welded joints, if any, shall be of good quality, free from scale, surface defects, cracks, etc. Item includes all cost of labour, materials, conveyance, taxes, T&amp;P, etc. all complete as per item description, technical specification and as per directions of Engineer-in-charge. (Drawing of pole shall be submitted for approval by EIC prior to procurement)</p> <p><b>Note :</b> No circumferential joints shall be permitted in the individual tube lengths of the poles. If welded tubes are used they shall have one longitudinal weld seam only : and the longitudinal welds shall be staggered at each swaged joint.</p> <p><b>Details of Pole:</b> 7.5 mtr Pole with 1.25 mtr planting depth and Sections are 139.7mm x 4.85mm x 4.5 mtr + 114.3mm x 3.65mm x 1.5 mtr + 88.9 mmx 3.25mm x 1.5 mtr, Approx. Wt - 103 kg (swan neck of 1.0 Mtr. projection)</p> <p>Fixing of pole shall be done at approved locations by excavation up to 1.25mtr. below ground level, placing the pole safely and filling the pit with cement concrete (1:2:4) and cover the pole up to 450 mm above the ground and finishing with 16 mm thick</p>	30	nos		
2	<p>Supplying, drawing, laying and testing of 3 X 1.5 sqmm FR PVC insulated single core multi strand copper conductor of ISI marked including all cost of labour, materials, conveyance, taxes, T&amp;P, etc. all complete as per item description, technical specification and as per directions of Engineer-in-charge.</p>	300	mtr		
3	<p>Supply &amp; Laying of one number 2 core 4 sq.mm. PVC insulated and PVC sheathed / XLPE power cable of 1.1 KV grade of following size direct in ground including excavation up to 0.75 mtr. below ground level, 75 mm sand cushioning, protective brick cover placed side by side continuously and refilling the trench, fixing of cable route marker including all cost of labour, materials, conveyance, taxes, T&amp;P, etc. all complete as per item description, technical specification and as per directions of Engineer-in-charge.</p>	1100	mtr		

Sl. No.	Item Description	Qty.	Unit	Rate	Amount
4	Supply, Installation, Testing and commissioning of LT out door free standing floor mounted type street light panel made out of 1.6 mm thick CRCA sheet metal powder coated including foundation as per approved design, suitable rubber gasket for damp, dust & vermin proof including 32A DP MCB, Timer switch, 32A contactor, Auto-manual switch and all other materials including all cost of labour, materials, conveyance, taxes, T&P, etc. all complete as per item description, technical specification and as per directions of Engineer-in-charge.	4	No		
5	Supplying and laying 6 SWG GI wire at 0.5 mtr. below ground level along with cables including making connection for loop earthing including all cost of labour, materials, conveyance, taxes, T&P, etc. all complete as per item description, technical specification and as per directions of Engineer-in-charge.	1100	mtr		
6	Supplying & fixing of LED street light fitting of IP 66 class with die cast alluminium body including 80watt LED lamp suitable for mounting on the above pole including fixing on the pole making connection with suitable size copper wire/ lugs and sockets including all cost of labour, materials, conveyance, taxes, T&P, etc. all complete as per item description, technical specification and as per directions of Engineer-in-charge..( <b>Make: Wipro-LR02 981-XXX-57-XX or Equivalent approved Philips/ CG make if specific model is not available</b> )	30	nos		
<b>Total Amount: Rs.</b>					

**Note:** Rate shall be quoted by the agency taking in to consideration of both BOQ descriptions and Technical specification

