

## **ANNEXURE- A(1)**

### **SCOPE, SPECIFIC TECHNICAL REQUIREMENTS & QUANTITIES**

#### **1.1 SCOPE**

This technical specification covers the requirement of design, manufacture, testing at works, packing and dispatch of Cable Glands.

#### **1.2 SPECIFIC TECHNICAL REQUIREMENTS**

Cable glands shall be made of brass duly electro tinned in order to avoid corrosion and oxidation of the surface. The nipple threads shall be in accordance with IS 1653/ IEC. Glands shall provide neat, tight, dust and vermin proof termination. Gland shall be provided with rubber ring to hold the cables firmly when check-nut is slightly tightened. Gland shall be complete with suitable washers etc (Type-CGT)

#### **1.3 QUANTITIES**

<i>Sl. No.</i>	<i>Suitable for Cable Type</i>	<i>Approx OD <math>\pm 2\text{mm}</math></i>	<i>Quantity</i>	<i>Spare Quantity</i>	<i>Total Quantity</i>	<i>Rate (Rs.) (for supply only)</i>
	<b>Armoured, PVC, Cu Control Cable</b>					
1	2Cx 2.5 mm <sup>2</sup> HR PVC Cu Cable	14.5mm	50	10	60	
2	4Cx 4 mm <sup>2</sup> HR PVC Cu Cable	17.5mm	90	18	108	
3	4Cx 6 mm <sup>2</sup> HR PVC Cu Cable	19.0mm	85	17	102	
4	5C x 2.5 mm <sup>2</sup> HR PVC Cu Cable	17.5mm	120	24	144	
5	10C x 2.5 mm <sup>2</sup> HR PVC Cu Cable	21.5mm	300	60	360	
6	14C x 2.5 mm <sup>2</sup> HR PVC Cu Cable	23.0mm	165	33	198	
7	19C x 2.5 mm <sup>2</sup> HR PVC Cu Cable	25.5mm	120	24	144	
	<b>Armoured, PVC Aux Power Cable</b>					
8	3.5 C x 25 HR PVC Aluminium cable	24.0mm	10	05	15	
9	4 C x 6 HR PVC Aluminium cable	20.0mm	25	05	30	
10	2 C x 6 HR PVC Aluminium cable	17.5mm	50	10	60	

The quantity for cable glands may change to the order of +/- 20% during detailed engineering at contract stage.

**Note:** The bidder is required to quote above the unit rates only for supply of cable gland items and is to be kept in price bid envelope. However for item sl. no. 10 of 'Bill of Quantities for ETC Works', the rates should be inclusive of supply of cable glands also.