

## **2.0 SCOPE**

This technical specification covers the requirements of design, manufacture, testing at works, packing and dispatch of Cable Glands required for armoured control/ aux power cables. No deviation from the requirements specified in various clauses of this specification shall be allowed.

The actual cable data as guaranteed by the cable supplier will be furnished separately. However, for exact measurements, supplier should contact site for cable samples. The final supply shall be made based on actual cables supplied at site.

## **2.1 SPECIFIC TECHNICAL REQUIREMENT**

**Type CGN --** Double compression, Heavy Duty. Nickel plated (coating thickness not less than 10 microns) brass cable glands shall be provided by the vendor for all power and control cables to provide dust and weather proof terminations. The cable glands shall be tested as per BS: 6121. They shall comprise of heavy duty, brass casting, machine finished and Nickel plated, to avoid corrosion and oxidation. Rubber components used in cable glands shall be neoprene and of tested quality. The glands shall be dust proof, screw on type, shrouded complete with necessary armour clamp and tapered washers etc.

## **2.2 TEST**

All valid test reports as per relevant standard shall be furnished including Proof Torque Test, Tensile Test, Seal Test and Electrical Continuity Test as per BS 6121. Cable glands shall also be tested for dust proof and weather-proof termination. Bidders shall submit valid reports of type tests carried out within five years of bid opening. These reports should have been conducted on identical / similar equipment to those offered. In case less than five years old type test reports OR valid type tests are not furnished, the tests shall be conducted free of charge. No separate type test charges shall be paid.

**ANNEXURE-2**

**2.3 QUANTITIES -**

<b>Double compression, Heavy Duty. Nickel plated (coating thickness not less than 10 microns) Brass cable glands. (The cable glands shall be tested as per BS: 6121)</b>	<b>Qty.( Nos.)</b>
<b>5C x 2.5 sq mm PVC/ Cu. Control Cable</b>	<b>35</b>
<b>10C x 2.5sqmm PVC/ Cu Control Cable</b>	<b>100</b>
<b>14C x 2.5 sq mm PVC/ Cu. Control Cable</b>	<b>25</b>
<b>19C x 2.5 sq mm PVC/ Cu. Control Cable</b>	<b>10</b>
<b>3.5 C x 35 sq.mm PVC/ Al. Aux Power Cable</b>	<b>10</b>
<b>3.5 C x 95 sq.mm PVC/Al. Aux Power Cable</b>	<b>12</b>
<b>2 C x 6 sq.mm PVC/ Al. Aux Power Cable</b>	<b>25</b>
<b>4 C x 6 sq.mm PVC/ Al. Aux Power Cable</b>	<b>25</b>

**Note:**

The bidder is required to quote the unit rate only for supply of cable glands items. However for item sl. 12.1& 12.2 of “Bill of quantity for ETC works” the rate quoted should be inclusive of ETC works & supply of cable glands.