

<p align="center"><b>ANNEXURE-B</b>  <b>TECHNICAL SPECIFICATION AND BOQ OF CABLE GLANDS</b></p>
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## 1.1 SPECIFIC TECHNICAL REQUIREMENTS

**1.2.1 Type CGNC --** Double compression, Heavy Duty Nickel-Chromium plated (coating thickness not less than 10 microns) brass cable glands shall be provided by the vendor for all **PVC/Cu armoured** 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.

## 1.2 QUANTITIES

S. No.	Type of Cable Glands	Quantity in Nos.
	<b>LT CONTROL CABLES</b>	
1.	<b>2 C X 2.5 sq mm PVC/CU</b>	<b>550</b>
2.	<b>5C X 2.5 sq mm PVC/CU</b>	<b>600</b>
3	<b>10C X 2.5 sq mm PVC/CU</b>	<b>850</b>
4	<b>14C X 2.5 sq mm PVC/CU</b>	<b>500</b>
5	<b>19C X 2.5 sq mm PVC/CU</b>	<b>470</b>
6	<b>4C X 4 sq mm PVC/CU</b>	<b>1300</b>
	<b>LT POWER CABLES (COPPER)</b>	
7	<b>2C X 6 sq mm XLPE/Cu</b>	<b>250</b>
8	<b>2C X 35 sq mm XLPE/Cu</b>	<b>20</b>
9.	<b>1C X 50 sq mm XLPE/Cu</b>	<b>60</b>
	<b>LT POWER CABLES (ALUMINIUM)</b>	
10.	<b>4C X 6 Sq.mm XLPE/Al</b>	<b>600</b>

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11.	<b>4C X 16 Sq.mm XLPE/Al</b>	<b>270</b>
12	<b>3.5 C X 35 sq mm XLPE/Al</b>	<b>70</b>
13	<b>3.5 C X 70 sq mm XLPE/Al</b>	<b>32</b>
14	<b>3.5 C X 185 sq mm XLPE/Al</b>	<b>20</b>
15	<b>1 C X 800 sq mm XLPE/Al</b>	<b>16</b>

### **1.3 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.