

Manipur Electricity Department (MED)
Renovation & Augmentation of 132/33 kV
Existing Sub-Station at Yurembam, Manipur
Technical Specification for Cable Glands And Accessories

Doc No. TB 311 510 026

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SECTION – 1

SCOPE, SPECIFIC TECHNICAL REQUIREMENTS AND QUANTITIES

1.0 Scope

This technical specification covers the requirements of design, manufacture, testing at works, packing and dispatch of Cable Glands for 1.1 kV Control and Aux. Power Cable.

This section covers the specific technical requirements of Cable Glands for 1.1 kV Control and Aux. Power Cable. In case of any discrepancies between the requirements mentioned in this section and those specified in the following sections of this specification, the specifications given herein shall prevail and shall be treated as binding requirements.

1.1 The equipment is required for the following project.

Name of customer : Manipur Electricity Department (MED)

Name of the project : Renovation & Augmentation of 132/33 kV Existing
Sub-Station at Yurembam, Manipur

Refer section-3 of this document for project details and general specification.

1.2 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.

1.3 QUANTITIES

The quantities for Cable Glands are tentative only. There may be a variation of $\pm 30\%$ at order stage

S. No.	Type of Cable Glands	Quantity in Nos.
	FOR CONTROL CABLES	
1.	Type CGNC for 2 C \times 2.5 sq. mm PVC/Cu	100
2.	Type CGNC for 5 C \times 2.5 sq. mm PVC/Cu.	500
3.	Type CGNC for 7 C \times 2.5 sq. mm PVC/Cu.	20
4.	Type CGNC for 10 C \times 2.5 sq. mm PVC/Cu.	550
5.	Type CGNC for 14 C \times 2.5 sq. mm PVC/Cu.	200
6.	Type CGNC for 19 C \times 2.5 sq. mm PVC/Cu.	170
	FOR AUX. POWER CABLES	
6.	Type CGNC for 4Cx6 sq.mm PVC /Al.	50
7.	Type CGNC for 4Cx16 sq.mm PVC /Al.	80
8.	Type CGNC for 3.5Cx35 sq.mm PVC /Al.	40
9.	Type CGNC for 2Cx6 sq.mm PVC /Al.	40

Note: The detailed diameter of cables shall be furnished at contract stage.