

Annexure-B

Durgapur Projects Limited Limited
DPL DURGAPUR- 220 kV SWITCHYARD

Technical Specification
CABLE GLANDS

SPECIFIC TECHNICAL REQUIREMENTS

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 **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.

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-BDurgapur Projects Limited Limited
DPL DURGAPUR- 220 kV SWITCHYARD**BILL OF QUANTITIES**

S. No.	Description	Quantity (Nos.)
	CABLE GLANDS FOR LT CONTROL CABLES	
1	2 C X 2.5 sq mm PVC/CU	150
2	5C X 2.5 sq mm PVC/CU	500
3	10C X 2.5 sq mm PVC/CU	1200
4	14C X 2.5 sq mm PVC/CU	400
5	19C X 2.5 sq mm PVC/CU	500
6	4C X 4 sq mm PVC/CU	1000
	CABLE GLANDS FOR LT POWER CABLES (COPPER)	
7	2C X 6 sq mm XLPE/Cu	76
8	2C X 16 sq mm XLPE/Cu	4
9	1 C X 35 sq mm XLPE/Cu	16
10	1 C X 70 sq mm XLPE/Cu	100
	CABLE GLANDS FOR LT POWER CABLES (ALUMINIUM)	
11	2C X 6 sq mm XLPE/Al	16
12	4C X 6 Sq.mm XLPE/Al	168
13	3.5C X 35 Sq.mm XLPE/Al	96
14	1 C X 150 sq mm XLPE/Al	40
15	1 C X 500 sq mm XLPE/Al	32
	CABLE GLANDS FOR LT SCREENED CONTROL CABLES	
1	14CS X 2.5 sq mm PVC/CU	100
2	4CS X 4 sq mm PVC/CU	100
	CABLE GLANDS FOR 6.6kV XLPE POWER CABLES SCREENED CONTROL CABLES	
1	3C X 185 sq mm XLPE Al.	12