

## Annex C – Technical Schedules

Technical Schedules A and B for PG CLAMPS (Al/Cu) D3058

Schedule A: Purchasers specific requirements

Schedule B: Guarantees and technical particulars of equipment offered

1	2	3	4
Item	Description	Schedule A	Schedule B
1	Product Information		
1.1	<input type="checkbox"/> Purchasing details		
1.1.1	SAP No		XXXXXXXXXX
1.1.2	Manufacturer	XXXXXXXXXX	
1.1.3	Country of origin	XXXXXXXXXX	
1.1.4	Manufacturer's Product Code	XXXXXXXXXX	
1.1.5	Drawing number & Revision number	XXXXXXXXXX	
1.1.6	Physical identification mark on product	XXXXXXXXXX	
1.1.7	Compliance to critical dimensions on Buyer's Guide	3058	
1.1.8	Item sample required	YES	
1.2	<input type="checkbox"/> Mechanical and electrical properties		
1.2.1	Material Grade/Material used:	XXXXXXXXXX	
1.2.2	PG Bolts	XXXXXXXXXX	
1.2.3	PG Body	XXXXXXXXXX	
1.2.4	Tensile strength MPa	XXXXXXXXXX	
1.2.5	Washer dimensions (Diameter and thickness)	XXXXXXXXXX	
1.2.6	Conductor range	XXXXXXXXXX	
1.2.7	Elongation mm	XXXXXXXXXX	
1.2.8	Anti galling measures taken?	XXXXXXXXXX	
1.2.9	Thread size	M8 bolt	XXXXXXXXXX
1.2.10	Filler content	XXXXXXXXXX	
1.2.11	Dielectric strength	XXXXXXXXXX	
1.2.12	Fabrication method		
	a) Extrusion	XXXXXXXXXX	
	b) Forging	XXXXXXXXXX	
1.2.13	Electrical jointing compound used/type	XXXXXXXXXX	

1.3	<input type="checkbox"/> PG Clamps (Al/Cu) are required for the following conductor types		
1.3.1	Cross-sectional area of the smallest conductor mm <sup>2</sup>		xxxxxxxxxx
1.3.2	Breaking force of the smallest conductor kN		xxxxxxxxxx
1.3.3	Current rating @ 75 degrees Celsius of the		xxxxxxxxxx
1.3.4	A smallest conductor		
1.3.5	Cross-sectional area of the largest conductor mm <sup>2</sup>		xxxxxxxxxx
1.3.6	Breaking force of the largest conductor kN		xxxxxxxxxx
	Current rating @ 75 degrees Celsius of the		xxxxxxxxxx
	A largest conductor		
2	Test Authority	SABS/NEF T A	xxxxxxxxxx
2.1	<input type="checkbox"/> Preferred person/organisation		
3	Electrical Jointing Compound		
3.1	<input type="checkbox"/> General		
3.1.1	Trade name	xxxxxxxxxx	
3.1.2	Type of compound	xxxxxxxxxx	
3.1.3	Recommended quantity per fitting	xxxxxxxxxx	
3.1.4	Are grooves pre-treated and individually packed?	YES	
3.1.5	Source of supply	xxxxxxxxxx	
3.1.6	Temperature rating:		
	a) Continuous	xxxxxxxxxx	
	b) Maximum under short-circuit conditions	xxxxxxxxxx	
4	Documentation (to be submitted with tender) Note: All documentation to be provided in electronic format.		
4.1	<input type="checkbox"/> General		
4.1.1	Outline drawings of item Sets	1	
4.1.2	Material grade certification	YES	
4.2	<input type="checkbox"/> Test reports	Required	Report Number
4.2.1	Verification of general dimensions	YES	

4.2.2	Verification of material type	YES	
	Mechanical Tests	YES	
4.2.3	- Mechanical bolt tightening test (SANS 61284)	YES	
4.2.4	- Slip test (SANS 61284)	YES	
	- Heat cycle test (SANS 61284)	YES	
4.2.5	- Corrosion test (SANS 61284)	YES	
4.2.6			

**NOTE:** The deviation schedule is to be completed and signed by all tenderers

## ANNEX D: Deviation schedule

Any deviations from this specification shall be listed below with reasons for deviation. In addition, evidence shall be provided that the proposed deviation will at least be more cost-effective than that specified by Eskom.

[illegible]

