

**CLARIFICATION NO.: 3****BID NO.:** G/RFQ/KHPMUN-003/2020**BID DESCRIPTION:** SUPPLY AND DELIVERY OF NEW LOW AND MEDIUM VOLTAGE CABLES AND ASSOCIATED EQUIPMENT (Period of 2 Years)**DATE:** 25 JANUARY 2021**1. RESPONSE TO QUESTIONS RAISED**

With reference to the above-mentioned Bid, KEETMANSHOOP MUNICIPALITY has the following official response to the clarification(s) raised regarding the Bid and the Bidding Documents:

Question No.	Question from Suppliers	Answers from Keetmanshoop Municipality		
1.	There are a few more queries with regards to the sizing of the kits in the tender vs the specifications, are you aware of any discrepancies? The specification also doesn't allow for any LV Heatshrink type joints but items 4.17-19 request for these items?	<b>Technical Specification for LV heat shrink</b>		
		<b>Properties</b>	<b>Test Methods</b>	<b>Typical Values</b>
		Voltage Range(V)		600/1000V
		Wire Size Range(mm <sup>2</sup> )		4.0-120.0mm <sup>2</sup>
		Number of Cores		2-4 core
		Types of Cable Insulation		PVC SWA PVC and PVC
		Shrink Temperature(°C)		+120°C

		Tensile (MPa)	UL 224 > 14
		Elongation (%)	UL 224 > 400
		Heat Ageing : Tensile (MPa) :Elongation(%)	UL 224 (150°C x 168 hrs) > 10 > 300
		Water Absorption (%)	ISO 62 < 0.15
		Eccentricity (%)	UL 224 < 30
		Copper Stability	ASTM D 2671 Pass
		ESCR (environmental stress crack resistance)	ASTM D 1693 (50°C) No Cracking
		Dielectric Strength (kV/mm)	ASTM D 2671 > 20
		Volume Resistivity ( $\Omega$ /cm)	ASTM D 257 $10_{14}$