

	PURCHASE SPECIFICATION FOR DC CABLE	BDC1819-024602 DC
Rudrapur	GROUP : BDC	Rev no 00

ANNEX-1

TECHNICAL SPECIFICATION : 0.6/1 KV SINGLE CORE MULTI STRAND DC CABLES

S.No.	Specification	Range/ Standard (Pl do mention standard number and clause wherever applicable)	
		2.5 SQMM	4 SQMM
1.	Offered Make:		
2.	Construction		
2.a	Conductor material		
2.b	Conductor Core & strand		
2.c	No. of strand/Dia of wire		
2.d	Insulation material and thickness		
2.e	Outer Sheath material & thickness		
2.f	Outer sheath Colour		
3	Electrical Characteristics		
3.a	Rated Voltage (U ₀ /U)		
3.b	Rated Dc Voltage (U ₀ /U)		
3.c	Max.Permitted DC Voltage:		
3.d	Max.Permitted AC Voltage:		
3.e	Max D.C resistance @ 20C for Cond.		
3.f	Insulation Resistance:		
3.g	Spark Test voltage:		
3.h	Voltage withstand (for 5 min)		
4	Thermal characteristics		
4.a	Ambient Temp.(Lower)		
4.b	Ambient Temp.(Upper)		
4.c	Maximum Temprature At Cond./Long term Behaviour		
4.d	Short Circuit Temp (5 sec).		
4.e	Thermal endurance Test		
4.f	High Temprature Pressure		
5	Mechanical Characteristics		
5.a	Minimum bending Radius		
5.b	DynemicPentretion		
5.c	Notch propogation		
5.d	Tensile Strength		

Signature and seal of Bidder



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5.e	Elongation of insulation and sheathing		
5.f	Anticipated Years of Use		
6	Chemical Characteristic		
6.a	Wheathering Resistance		
6.b	Minreral Oil Resistance		
6.c	Ozone Resistance		
6.d	Acid &Alkile Resistance		
6.e	Acid &Alkile Resistance		
7	Fire Perormance		
7.a	Vertical Flame Restardant		
7.b	Halogend Free		
7.c	Low Smoke Emission		
7.d	Toxicity		
8	Printing on Cable Surface		

Note:-

1. The format can be retyped. Please don't change the text or sequence of the technical particulars as listed above to enable proper evaluation and comparison.
2. Please don't only mention "as per IS or standard. Please do mention standard number and clause.



Signature and seal of Bidder