Group – B : Sl. No. - 1) 11 KV Distribution Class Lighting Arrestors

Guaranteed Technical Particulars

Sl. No.	Description	Guaranteed value to be furnished by the bidder
1	Name of manufacturer	
2	Manufacturer's type	
3	Standards to which the equipment conforms	
4	Arrestor class	
5	a) Type of construction	
	b) No. of columns	
6	Rated arrestor voltage	
7	Frequency (Hz.)	
8	Max. continuous operating voltage MCOV (KV rms)	
9	Leakage current at MCOV (micro Amp)	
	a) Resistive component	
	b) Capacitive component	
	c) Total	
10	Reference voltage of arrestor at specified ambient temperature	
10.1	Temperature power freq. over voltage withstand capability	
	a) for 0.2 sec.	
	b) for 1 sec.	
	c) for 100 sec.	
10.2	Whether graph to indicate TOV withstand capability are enclosed	
11.1	Nominal discharge current (8/20micro sec. wave)	
11.2	Rated power freq. over voltage withstand capability immediately after discharging energy equivalent to the max. capability of the arrestor.	
12	a) Max. residual voltages at (KV peak)	
	a) Lightening impulse current of 5 K. Amp.	
	ii) Lightening impulse current of 10 K. Amp.	
	iii) Lightening impulse current of 20 K. Amp.	
	b) Switching impulse current as per IEC of	
	b) 1000 Amps	
	ii) 250 Amps.	
	c) Steep fronted impulse current of 5 KA (peak)	

13.1	Long duration discharge class	
13.2	Max. energy dissipation capability (KJ/KV)	
14	Voltage time characteristics of the arrestor (whether graph enclosed or not)	
15	High current pressure relief test (rms)	
16	Method of sealing the complete arrestor unit	
16	Minimum creepage distance (mm)	
17	Method used for testing sealing arrangement	
18	Class of pressure relief devices	
18.1	Prospective symmetrical fault current during pressure relief test	
18.2	Duration of flow of fault current during pressure relief test	
	a) High current	
	b) Low current	
19	No. of units to cover the arrestor	
20	Partial discharge at 1.05 times MCOB (%)	
21.1	Min. recommended spacing of the arrestor from the earthed object	
21.2	Min. recommended spacing of the arrestor center to center	
22	Whether type test reports submitted?	
23	Outline dimensions for installation (Dwg. No.)	
24	Details of earthing arrangement provided (Dwg. No.)	
25	Mounting flange dimensional details Dwg. No.)	
26	Thickness of zinc coating on ferrous parts	
27.1	Details of Zinc Oxide Disc	
	a) Make	
	b) Diameter (mm)	
	c) Height (mm)	
	d) Weight (kg)	
	e) Rating (KV rms)	
	f) MCOV (KV rms)	
27.2	Whether imported or indigenous	
28	Surge counter/monitor's min. counting current at 8/20 micro sec. Wave shape	
29.1	Watt loss per KV at MCOV	
29.2	Watt loss per KV at arrestor rated voltage	
30	Degree of protection for discharge counter (corresponding to BIS 2147)	
31.1	Impulse withstand voltage (1.2/50 micro sec wave in KV peak)	
31.2	Power freq. withstand voltage (KV rms)	

	a) One minute dry	
	b) One minute wet	
31.3	Total creepage distance (mm)	
32	Max. cantilever strength of complete arrestor (KGM)	
33	Total height of arrestor (mm)	
34	Height of insulating base of arrestor (mm)	
35	Weight of complete arrestor (Kg)	