

19. TECHNICAL DATA SHEET FOR 33 KV SURGE ARRESTER WITH DISCONNECTOR

Description	Unit	Required	GUARANTEED
Manufacturer's name		to be indicated	
Country of manufacture		to be indicated	
Type		metal oxide non-linear resistor	
Installation		outdoor	
Disconnecter		included	
Maximal system voltage	kV	36	
Rated operating voltage (Ur)	kV	33	
Rated continuous operating voltage (Uc)	kV	33	
Rated frequency	Hz	50	
Nominal discharge current	kA	10	
Residual voltage for:			
Lightning current 8/20 μ s impulse	kV	110	
Steep current 1/20 μ s maximum impulse	kVpeak	120	
Switching current 30/60 μ s impulse of 500 A/1000 A	kV	100	
High current 4/10 μ s impulse withstand value	kA	100	
Line discharge class		Minimum 1	
Absorption capability in kJ/kV of arrester rating at thermal stability	kJ/kV	to be specified	
Pressure relief class	class	to be specified	
Power frequency 1 min. withstand voltage, wet, minimum	kV	70	
Maximum RIV at 1000 kHz measured at 1.05 time the system highest voltage	micro V	to be specified	
Impulse withstand voltage of arrester insulation external assembly	kV crest	170	
Maximum short circuit rating	kA	25	
Overall height of arrester	mm	to be specified	
Creepage distance	mm/kV	25	
Weight of arrester	kg		

Date:

Bidder's Stamp and Signature:

20. TECHNICAL DATA SHEET FOR 11 KV SURGE ARRESTER WITH DISCONNECTOR

Description	Unit	Required	GUARANTEED
Manufacturer's name		to be indicated	
Country of manufacture		to be indicated	
Type		metal oxide non-linear resistor	
Installation		outdoor	
Disconnecter		included	
Maximal system voltage	kV	12	
Rated operating voltage (Ur)	kV	11	
Rated continuous operating voltage (Uc)	kV	9.6	
Rated frequency	Hz	50	
Nominal discharge current	kA	10	
Residual voltage for:			
Lightning current 8/20 μ s impulse	kV	35	
Steep current 1/20 μ s maximum impulse	kVpeak	40	
Switching current 30/60 μ s impulse of 500 A/1000 A	kV	30	
High current 4/10 μ s impulse withstand value	kA	100	
Line discharge class		Minimum 1	
Absorption capability in kJ/kV of arrester rating at thermal stability	kJ/kV	to be specified	
Pressure relief class	class	to be specified	
Power frequency 1 min. withstand voltage, wet, minimum	kV	28	
Maximum RIV at 1000 kHz measured at 1.05 time the system highest voltage	micro V	to be specified	
Impulse withstand voltage of arrester insulation external assembly	kV crest	75	
Maximum short circuit rating	kA	25	
Overall height of arrester	mm	to be specified	
Creepage distance	mm/kV	25	
Weight of arrester	kg		

Date:

Bidder's Stamp and Signature: