

## GUARANTEED TECHNICAL PARTICULARS OF 11 KV, 5 KN, COMPOSITE POLYMER PIN INSULATORS

(To be filled and kept in envelopes containing Technical Offer)

Sl. No.	Description	11KV, 5 KN
1.	Name of Manufacturer	
2.	Address:	
	(a) registered Office	
	(b) Factory	
3.	Type of Insulators	
4.	Standard specification to which the Insulators manufactured and tested	
5.	Name of material used in manufacture of the Insulator (with class / grade)	
(a)	Material of core rod	
(b)	Material of Housing & weather sheds (silicon content by weight)	
(c)	Material of end fittings	
(d)	Sealing compound for end fitting	
6.	Colour of Insulator	
7.	<b>Electrical Characteristics:</b>	
(a)	Nominal system Voltage (KV rms)	
(b)	Highest System Voltage (KV rms)	
(c)	Dry power frequency withstand (KV rms)	
(d)	Wet power frequency withstand (KV rms)	
(e)	Dry flash over voltage (KV rms)	
(f)	Wet flash over voltage (KV rms)	
(g)	Dry lighting impulse withstand voltage	
	(a) Positive	
	(b) Negative	
(h)	Dry lighting impulse flashover voltage	
	(a) Positive (KV peak)	
	(b) Negative (KV peak)	
(i)	RIV at 1 MHz when energized at 10kV (rms) under dry condition (microvolt)	
(j)	Creepage distance (min) mm	
8.	<b>Mechanical Characteristics:</b>	
	Minimum failing load (KN)	
9.	<b>Dimensions of Insulator:</b>	
i.	Weight (Kg.)	
ii.	Dia of FRP rod (mm) – <b>Dia must be 24 mm (minimum)</b>	
iii.	Length of FRP rod (mm)	

iv.	Dia of weather sheds (mm)	
v.	Thickness of housing (mm)	
vi.	Dry arc distance (mm)	
10.	Dimensioned drawings of Insulator (including weight with tolerances in weight) enclosed.	
11.	Method of fixing of sheds to housing specify ):- single mould or modular construction (injection moulding/compression moulding)	
12.	No. of weather sheds	
13.	Type of sheds	
	(i) Aerodynamic	
	(ii) With under ribs	
14.	Packing details	
	(a) Type of packing.	
	(b) No. of Insulators in each pack	
	(c ) Gross weight of package	
15.	Any other particulars which the bidder may like to give.	

Marking: Each insulator shall be legibly & indelibly marked with as-

- a) Month & Year of manufacturing
- b) Min. failing load /guaranteed mech. Strength in KN
- c) Manufacturer's Name/Trade Mark

PLACE:

DATE

SIGNATURE OF TENDERER  
NAME IN FULL  
DESIGNATION/  
STATUS IN THE FIRM  
COMPANY SEAL

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