

# MEPNN Supplier Scouting Opportunity Synopsis

## Section 1: General Information

Scouting Number	2025-002
Item to be Scouted	Toughened Glass Suspension Insulator
Days to be scouted	30
Response Due By	02/07/2025
Description	<p>We are looking to source toughened glass suspension insulators for a transmission line project. The following requirements are as follows:</p> <p>Insulator bells for tangent structures            Tension Proof (lb): 11,000 15,000            Leakage Distance (in): 12.625 12.625            Low Frequency Dry Flashover (kV): 80 80            Critical Impulse Flashover (positive) (kV): 125 125            Approx. Net Weight per unit (lb): 8.1 10.1</p> <p>Dead-end structures            Tension Proof (lb): 11,000 15,000            Leakage Distance (in): 12.625 12.625            Low Frequency Dry Flashover (kV): 80 80            Critical Impulse Flashover (positive) (kV): 125 125            Approx. Net Weight per unit (lb): 8.4 8.6</p>
Notify Requester Immediately	
State item to be used in	Kansas

## Section 2: Technical Information

Type of supplier being sought	Manufacturer
Reason	2nd Supplier
Describe the manufacturing processes (elaborate to provide as much detail as possible)	Glass Blowing
Provide dimensions / size / tolerances / performance specifications for the item	<p>5-3/4" x 10"</p> <p>High mechanical strength.</p> <ul style="list-style-type: none"> <li>• High resistance to thermal shocks.</li> <li>• No aging thanks to the toughening treatment.</li> <li>• High resistance to the most extreme surges such as switching surges, steep front lightning strikes and power arcs.</li> <li>• Unique property of breaking in a predictable pattern when overstressed mechanically or electrically. Crumbling of the glass shell always results in fragments of safety glass with no razor-sharp shards.</li> <li>• Binary Nature. Only exists in 2 well-defined states: fully intact or as a mechanically and electrically safe stub. Visual inspection provides 100% infallible data at glance: no possible hidden cracks, ease of inspection, with no instruments needed</li> </ul>

List required materials needed to make the product, including materials of product components	<p>Agnostic.</p> <p>Performance is key.</p> <p>Insulator bells for tangent structures  Tension Proof (lb): 11,000 15,000  Leakage Distance (in): 12.625 12.625  Low Frequency Dry Flashover (kV): 80 80  Critical Impulse Flashover (positive) (kV): 125 125  Approx. Net Weight per unit (lb): 8.1 10.1</p> <p>Dead-end structures  Tension Proof (lb): 11,000 15,000  Leakage Distance (in): 12.625 12.625  Low Frequency Dry Flashover (kV): 80 80  Critical Impulse Flashover (positive) (kV): 125 125  Approx. Net Weight per unit (lb): 8.4 8.6</p>
Are there applicable certification requirements?	Yes
Details	ANSI standard C29.2B
Are there applicable regulations?	No
Are there any other standards, requirements, etc.?	Yes
Details	ANSI standard C29.2B
NAICS 1	327212 Other pressed and blown glass and glassware manufacturing
NAICS 2	
Additional Technical Comments	Product and Service Code (PSC): 5970

## Section 4: Business Information

Estimated potential business volume	Total quantity is estimated to be 40,000 individual insulators.
Estimated target price / unit cost information (if unavailable explain)	Best available, as this is related to BABA, acceptable pricing is to be determined in negotiation.
When is it needed by?	12 months from invoice
Describe packaging requirements	Palletes
Where will this item be shipped?	Kansas

## Additional Comments

Is there other information you would like to include?	<p>DOE/NETL/EDSD  Energy, Department of / National Energy Technology Laboratory (NETL) / EDSD</p> <p>For questions or additional information on BABAA guidance, please contact</p> <p>Maryum Pirzada  Maryum.pirzada@netl.doe.gov</p>
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