



**LIMITED LIABILITY COMPANY  
“UST-KAMENOGORSK CAPACITOR  
PLANT”**

***Three-phase Battery of Static Capacitors  
(Questionnaire for Purchase Order)***

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Name of company: \_\_\_\_\_

Performer: \_\_\_\_\_

Contact information:

Phone: \_\_\_\_\_

Mobile Phone: \_\_\_\_\_

Fax: \_\_\_\_\_

E-mail: \_\_\_\_\_

<b>№</b>	<b>Parameter</b>	<b>Required value</b>	<b>Offered value</b>
1.	Manufacturer		
2.	Type		
3.	Rated working voltage, kV		
4.	Maximum continuous permitted voltage, kV		
5.	Rated frequency, Hz		
6.	Rated power of battery, MVar		
7.	Connecting scheme (star / double star)		
8.	Permissible deviation of capacitance value from rated one, %.		
9.	Upper working value of ambient air temperature, °C		
10.	Lower working value of ambient air temperature (average from annual absolute minimums), °C		
11.	Limited lower working value of ambient air temperature (absolute minimum), °C		
12.	Relative humidity, %		
13.	Wall thickness of glaze ice, mm		
14.	Permitted speed of wind at glaze ice, m/sec		
15.	Permitted speed of wind without glaze ice, m/sec		
16.	Altitude of installation above sea level, m		
17.	Seismic stability, scores as per the scale MSK-64		
18.	Testing voltage of lightning impulse in relation to earth, kV		
19.	Specific creepage distance of external insulation cm/kV		
20.	Type of supporting and busbar insulation in BSC (porcelain/polymer)		
21.	Presence of instrument current transformers for unbalance protection		
22.	Presence of damping reactors for limitation of commutation processes		
23.	Supply of protection cabinet in a combination with BSC		
24.	Presence of supervision installation works for BSC		
25.	Presence of supervision installation works for cabinets Relay Protection and Emergency Automation		
26.	Presence and volume of spare parts		
27.	Additional requirements		

**Basic technical requirements for capacitors**

28.	Presence of built-in fuses		
29.	Presence of built-in discharge device		
30.	Presence of two terminals insulated from case		
31.	Presence of terminal for grounding connection		
32.	Case material		
33.	Ecologically safe impregnating fluid		
34.	Sealing/hermeticity		
35.	Admissible overloads of capacitor according to the standard GOST 1282-88		
36.	Tangent of loss angle according to Cl.3.9 GOST 1282-88		
	<b>Reliability requirements</b>		
37.	Guarantee period, from day of putting into operation, not more, months		
38.	Service life, not less, years		
39.	Marking, package and preservation according to GOST 14192-96, GOST 23216-78 and GOST 15150-69 (Yes, No)		
40.	Conditions of transportation		
41.	Storage temperature.		
42.	Storage period in manufacturer's package, separately stored tools, assembly units, spare parts, not more, months		