**Requirement specification on purchase of the pump**

1. subject to purchase: pump of pos. 16.A091-1-4, 16.B091-1-4 (8 pieces).

2. Technical parameters of the equipment:

2.1 Flow: 1800 m3/h (with Kn =1,2)

2.2 Head: 71 m

3. Scope of delivery:

3.1. With frame and electric motor

3.2. With the frequency converter

3.3. The passport, the mounting and operating manual in Russian

4. The short description of a flow diagram in which the purchased equipment will be installed:

- it is intended to supply solvent alkali liquor for heating and then into solvents;

- it is installed in heated space.

5. Special requirements to equipment:

- the work mode: 300 days in a year, 24 hours a day;

- ambient temperature, °C: 18-20;

- relative air humidity: 60-75%;

- climatic execution: U (-45/+40C).

6. Criteria for the choice of the best proposal:

- compliance with requirements of the requirement specification;

- warranty service life;

- power efficiency.

7. The list of parameters, as the basic data necessary for development of the design documentation:

Characteristic of a working environment(medium):

* Solvent alkali liquor

Chemical composition:

KCl 12.19%

NaCl 17.20%

MgCl2 1.15%

CaCl2 2.30%

CaSO4 0.50%

H2o 66.66%.

Solids

- size, mm -

- concentration, *% -*

- abrasivity -

Operating temperature, °C: 75.2

Density at operating temperature, kg/m3: 1200

Pump inlet pressure, kgf/cm2: 0.04-0.9