

**Technical assignment
for purchasing of GA-6001 pump with electric motor as a unit
for the needs of Shurtan gas chemical complex LLC**

SGCC 2020

1. GENERAL INFORMATION

| |
|--|
| 1.1 Name |
| GA-6001 pump with electric motor as a unit |
| 1.2 BASIS AND PURPOSE FOR PURCHASING EQUIPMENT |
| Basis: Annual application for 2021. |
| Purpose: To ensure uninterrupted supply of steam condensate to consumers. |
| 1.3 INFORMATION ABOUT NOVELTY (year of production/output of goods) |
| The equipment must be new, not previously used. All components, parts and component parts should be manufactured no earlier than 2019. |

2. SCOPE OF APPLICATION

| |
|---|
| GA-6001 pump is used for pumping treated steam condensate to the deaerator unit |
|---|

3. OPERATING CONDITIONS

| |
|---|
| 3.1 General operating conditions |
| Place of operation – Utilities shop, Shurtan gas chemical complex LLC |
| Pump operation: Periodic operation for 15 days, 4000 hours per year. |

4. TECHNICAL REQUIREMENTS

| |
|--|
| 4.1 Basic technical requirements |
| Output (capacity), $Q_{\max} = 500 \text{ m}^3/\text{h}$, Pressure, $P = 1000 \text{ kPa}$ Maximum temperature, $T_{\max} = 95^\circ\text{C}$ Operating temperature, $T_{\text{op.}} = 45^\circ\text{C}$ Medium – treated steam condensate Voltage - 380 V Frequency - $1470 \div 3000 \text{ rpm}$. |
| 4.2 Main technical, economic and operating characteristics |
| For stable operation of the pump, the period of repair and replacement of parts must be at least 6-8 years. |
| 4.3 Labeling requirements |
| A nameplate made in accordance with GOST 12969-67 and GOST 12971-67 and containing the following information must be attached in a visible place on the pump: - name or the manufacturer trademark; - pump symbol; - standard designation or technical conditions; - nominal flow, head (pressure) and speed; |

| |
|---|
| <ul style="list-style-type: none"> - serial number of the pump according to the manufacturer system; - year of manufacture <p>The marking of the nameplate should be made in accordance with GOST 26.020.</p> <p>Spare parts and parts are marked with a drawing designation on parts and assemblies.</p> <p>It is allowed to mark spare parts on the tags attached to them.</p> |
| <p align="center">4.4 Requirements for dimensions and packing</p> <p>Dimensions of equipment are in accordance with the manufacturer regulatory and technical documents.</p> <p>As required, the instrumentation must be removed from the pump before packing. The pump and spare parts, tools and special tools must be packed in accordance with GOST 9.014-78. The preservation period is three years. After preservation, all pump holes must be sealed with plugs or blinds.</p> <p>Technical and operational documentation should be placed in a waterproof bag and enclosed in a container along with the pump. If the pump and the accessories supplied with it are packed in several boxes, then on the box in which the package with the documentation is placed, the inscription: "Documentation here" must be made. The documentation package must include a packing list containing information on the number and contents of the packing boxes. The pumps must be packed one at a time in boxes in accordance with GOST 2991-85. By agreement with the Customer, it is allowed to transport pumps without packing, ensuring their safety from mechanical damage and precipitation.</p> <p>Packing should be carried out in such a way as to exclude the movement of goods in containers during loading, transportation and unloading. The container must be marked in accordance with the requirements of GOST 14192-96.</p> |

5. REQUIREMENTS TO RULES FOR DELIVERY AND ACCEPTANCE

| |
|--|
| <p align="center">5.1 Procedure for delivery and acceptance, additional Customer requirements</p> <p>Acceptance and incoming inspection of goods for compliance with the quantity, quality and dimensions is carried out at the Customer's warehouse. In the event of a nonconformity between the delivered goods and the ordered specification or if the goods have not passed the incoming quality conformance inspection, the Supplier is obliged to replace it within the period specified in the delivery contract. Transportation expenses for replacement of the goods are charged by the Supplier.</p> |
| <p align="center">5.2 Requirements for transfer of technical and other documents to the Customer for delivery of the goods.</p> <p>Each participating company in the contestant should take into account the inclusion of the following information in the technical proposal:</p> <ul style="list-style-type: none"> - conformity certificate of goods; - international certificates ISO 9001, ISO 14001, ISO 45001 (if any); - certificates of international, recognized laboratories and test centers; - Supplier's invoice with description of the goods, indicating the quantity, unit price and total amount; - bill of lading issued in the Cconsignee's name specifying the departure station and the destination point, the Customer name, the number and date of signing the current contract; |

- certificate of the country of origin of the goods with specification the number and date of the invoice;
- packing list;
- certificate of quality of the goods issued by the manufacturer;
- material safety data sheet.

5.3 Requirements for equipment insurance

The goods must be insured.

6. REQUIREMENTS FOR TRANSPORTATION

Transportation and storage must comply with GOST 15150. The equipment is transported in packed along route by water, road or rail transport in accordance with the rules for transport of goods in force for the corresponding mode of transport and approved in the established order.

7. REQUIREMENTS FOR STORAGE

Storage period of the equipment from the date of delivery is 12 months. Pumps should be stored in the building at temperature +5 to +30°C at a relative humidity of no more than 65% under conditions that exclude deformation and damage. During storage, the parts must be protected from direct sunlight and thermal rays, and be at a distance of at least 1 m from heating bodies. Parts must be protected from oil, gasoline, kerosene and other substances that destroy rubber.

8. SAFETY REQUIREMENTS

General requirements for fire safety of pumps are regulated according to GOST 12.1.004-91. Pumps should have special devices to ensure their safe strapping, lifting and transportation during manufacture and installation. The location and design of the pump units should provide free access to them, safety during installation, operation and repair.

9. REQUIREMENTS FOR SCOPE AND/OR PERIOD OF WARRANTIES

The goods quality guarantee period is at least 5 years

10. REPAIR REQUIREMENTS

The design of spare parts must be repairable, safe to service and easily replaceable.

11. ENVIRONMENTAL AND SANITARY REQUIREMENTS

The goods should comply with international quality and environmental safety requirements;

The goods must be safe during its operation, storage, and disposal;

The goods should not cause any damage to the environment;

12. REQUIREMENTS FOR QUALITY AND CLASSIFICATION

The quality of the equipment must comply with the established standards and specifications of the manufacturer and be confirmed by a factory test certificate issued by the manufacturer.

The quality of the equipment should ensure that it can be used for its intended purpose without negative consequences.

It is necessary to provide certificates (certificate of origin, manufacturer's quality certificate and/or other certificates of international, recognized laboratories and test centers, if any).

13. REQUIREMENTS FOR QUANTITY, PACKING, PLACE AND TIME (PERIODICITY) OF DELIVERY

A pump with electric motor as a unit (installed in a mounting frame) - 1 set.

Delivery time - 3 months (90 calendar days).

Wagon/Container shipping: DAP –railroad station Kengsoy (station code - 732602), State joint stock railway company “Uzbekistan Railways”

Vehicle delivery: DAP – 180300, Shurtan settlement, Guzar district, Kashkadarya region, the Republic of Uzbekistan.

14. REQUIREMENT FOR THE FORM OF SUBMITTED INFORMATION

The submitted technical proposal must be made in Uzbek or Russian;

The submitted technical proposal should have a copy on electronic media (CD/DVD disks or USB media);

It is necessary to point out public available information about the manufacturer (company website).