

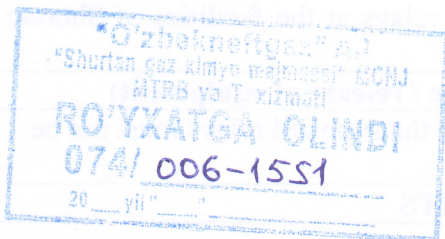
APPROVED

Chief Power Energyman

“Shurtan Gas Chemical Complex” LLC

A. Beknazarov

“3” “05” 2021



Reg. № 074/_____

Technical assignment (terms of reference) for the purchase
Electromagnetic and Pneumatic Time Relay for production needs of LLC "SGCC"

1. GENERAL DATA

1.1 Name of the item of purchase

Pneumatic time relay block TP ABB TP 40DA

1.2 Reason and purpose of purchasing equipment

Basis: Annual application for 2021 year.

Purpose of purchase: replacement of outdated and out-of-order relays at the facilities of Shurtan Gas Chemical Complex LLC.

1.3 Requirements about newness (year of manufacture / release of equipment)

The item must be new. Previously unused. The production date of the supplied relays must not be earlier than 1 year from the date of delivery.

2. TECHNICAL REQUIREMENTS

2.1 Basic technical requirements

Electromagnetic and Pneumatic Time Relay

№	Indicator name	unit of measurement	Data
1	Series		ABB TR 40DA or an analogue corresponding to all characteristics of relay ABB TR 40DA
2	Manufacturer	-	ABB
3	Item no.		13014678
4	Product ID		1SBN020300R1000
5	Time Range:	s	Direct 0.1...40s Certificates and Declarations (Document Number)
6	Degree of Protection:		acc. to IEC 60529, IEC 60947-1, EN 60529 Auxiliary Terminals IP20
7	Maximum Mechanical Switching Frequency	per hour	1200 cycles
8	Mechanical Durability		5 million
9	Mounted Auxiliary Contacts:		1 NO, 1 NC
10	Mounting on Contactors:		A 9 ... A 75
11	EAN		3471522121202

2.2 Marking requirements

The presence of marking on the relay. The main labeling data should contain:

Relay name and type (conventional name) and (or) relay type designation;

nominal values of the main parameters of the relay: voltage, current, frequency, power, etc.; Date of manufacture; trade mark or manufacturer's name.

3. REQUIREMENTS FOR RULES OF RECEPTION AND TRANSMISSION PROCEDURE

3.1 Reception and transmission procedure

The product must not have defects (hidden defects) related to construction, materials used or manufacturing defects. Delivery of goods on DAP terms, at the expense of the Supplier, by delivery by road and / or rail to the consignee's address, other methods of shipment can be made only with the written approval of the Customer. In case of erroneous shipment of the goods to the

wrong address, the Supplier, on his own at his own expense, redirects the products to the point at the values specified in the contract.

3.2 Requirements for the transfer of technical and other documents to the Customer while supplying equipment

The delivered goods must be supplied with a set of technical documentation, consisting of at least: passport, technical description, warranty card in English and Russian.
The marking must be made in English and Russian, must have clear signs stamped in a place accessible for recognition.

4. TRANSPORTATION REQUIREMENTS

The delivered goods must have the manufacturer's packaging as specified by the manufacturer. Packaging should exclude mechanical damage and deformation of the goods and provide protection against moisture penetration during transportation. Delivery of goods to the location of the customer and loading and unloading operations are carried out by the supplier. During the delivery and shipment of goods, they must be protected from atmospheric precipitation, low and high temperatures. All purchased equipment must be accompanied by appropriate technical documentation and certificates. The product must be shipped in non-returnable packaging. When making a delivery, the supplier must provide the customer with properly executed accompanying documents confirming the quality and safety of the goods.

5. STORAGE REQUIREMENTS

During the delivery and shipment of goods, they must be protected from atmospheric precipitation, low and high temperatures. All purchased equipment must be accompanied by appropriate technical documentation and certificates. The product must be shipped in non-returnable packaging. When making a delivery, the supplier must provide the customer with properly executed accompanying documents confirming the quality and safety of the goods.

6. SCOPE AND/OR DURATION OF WARRANTIES

The preferred delivery time after the conclusion of the contract is at least 45 calendar days. The warranty period for the product is at least 1 year.

7. ENVIRONMENTAL AND SANITATION REQUIREMENTS

The quality of the product should ensure the possibility of its intended use without negative consequences:

- the product must be safe during operation, storage and disposal;
- the product must not harm the environment. The equipment must fully comply with the requirements of environmental protection and the ISO-14001 standard.

8. ENERGY EFFICIENCY REQUIREMENTS

The product must fully comply with the requirements of the ISO-50001 standard.

9. SAFETY REQUIREMENTS

The product must fully comply with the ISO-45001 safety standard.

10. QUALITY AND CLASSIFICATION REQUIREMENTS

The product must fully comply with the ISO-9001 quality standard.

11. ADDITIONAL (OTHER) REQUIREMENTS

All purchased goods must be accompanied by appropriate technical documentation and certificates. Copies of certificates, certified by the participants, are provided with the proposals. Shipping costs, packaging, insurance must be included in the price of the item.

12. TERMS OF DELIVERY:

Вагонная/контейнерная поставка:	DAP – railway station Kengsoy (station code - 732602), JSC «Uzbekistontemiryullari»
Transport delivery:	DAP - Republic of Uzbekistan, Kashkadarya region, Guzar district, Shurtan settlement, 180300

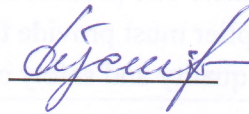
13. SCOPE OF DELIVERY:

Electromagnetic and Pneumatic Time Relay: 5 pcs.

** Note: The developer is responsible for the correctness of filling and the unfilled paragraph.*

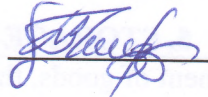
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Deputy Chief Power Engineer:



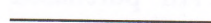
M. Gapparov

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M. Bekmurodov

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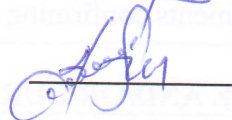
B. Boybachchaev

Head of the section of the ESS:



H. Botirov

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L. Ismatov