Approved by the order of the Chairman of "Azerbaijan Caspian Shipping Closed Joint Stock Company dated 1st of December 2016No. 216.



**AZERBAIJAN CASPIAN SHIPPING CLOSED JOINT STOCK COMPANY**

**IS ANNOUNCING OPEN BIDDING FOR THE PROCUREMENT OF SERVICES RELATED TO THE CONSTRUCTION OF POOL (DRESSING CLOSET, PUMP HOUSE, WATER CAPACITY 45 m) (inclusive of materials and labor) IN THE YARD OF "DENIZCHI" ENTITY SUBORDINATE TO PRODUCTION SERVICES DEPARTMENT**

**B I D D I N G No. AM 032/2024**

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| --- | --- |
|  | **Submission documentation required for participation in the bidding:*** Application for participation in the bidding (template has been attached hereto) ;
* Bank evidence as a proof of participation fee;
* Bidding offer:
* Bank document confirming financial condition of the consignor within the last year (or within the period of operation if less than one year);
* Statement issued by the relevant tax authorities on the absence of expired commitments associated with taxes and other compulsory payments and failure of obligations set forth in the Tax Code of the Republic of Azerbaijan for the last one year (excluding the period of suspension).

At the initial stage, application for participation in the bidding ( signed and stamped ) and bank evidence proving payment of participation fee (excluding bidding offer) shall be submitted in English, Russian or in Azerbaijani languages to the official address of "Azerbaijan Caspian Shipping" CJSC (hereinafter referred to as "ASCO" or "Procuring Organization") through email address of contact person in charge by **17.00** (Baku time) on **07.03.2024**. Whereas, other necessary documents shall be submitted as enclosed in the bidding offer envelope.   Description (list) of goods, works or services has been attached hereto. |
|  | **The participation fee and Collection of General Terms and Conditions:*** Any participant (bidder), who desires to participate in the bidding, shall pay for participation fee stated below *(the payment order shall necessarily state the name of the organization holding open bidding and the subject of the bidding)* and shall submit the evidence as a proof of payment to ASCO not later than the date stipulated in section one. All participants (bidders), who have fulfilled these requirements, may obtain General Terms and Conditions relating to the procurement subject from the contact person in charge by the date envisaged in section IV of this announcement at any time from 08.00 till 17.00 in any business day of the week.
* Participation fee amount (VAT exclusive): **AZN 100**
* The participation fee may be paid in AZN or equivalent amount thereof in USD or EURO.
* ***Account No. :***

|  |  |  |
| --- | --- | --- |
| AZN | USD | EURO |
| Name: The International Bank of AzerbaijanABB- Customer Service DepartmentCode: 805250TAX ID: 9900001881Correspondent account: AZ03NABZ01350100000000002944SWIFT: IBAZAZ2XBeneficiary: AZARB.XAZAR DANIZ GAMICILIYI QSCTAX ID: 1701579951Account No. (AZN): AZ36IBAZ38050019441115341120 | Intermediary Bank: Citibank N.Y, New YorkAcc.36083186, SWIFT: CITIUS33Beneficiary Bank: The International Bank of AzerbaijanIBA- Customer Service DepartmentSWIFT: IBAZAZ2X Nizami str., 67Beneficiary: AZARB.XAZAR DANIZ GAMICILIYI QSCTAX ID: 1701579951Account No.: AZ26IBAZ38150018401115341120 | Intermediary Bank: Commerzbank AG, Frankfurt am MainSWIFT: COBADEFFACC # 400 88 660 3001Beneficiary Bank: The International Bank of Azerbaijan,IBA-Premier Customer ServiceSWIFT: IBAZAZ2X Nizami str., 67Beneficiary: Azerbaijan Caspian Shipping CJSCTAX ID: 1701579951Account No.: AZ06IBAZ38150019781115341120 |

* **Except for circumstances where the bidding is cancelled by ASCO, participation fee shall in no case be refunded!**
 |
|  |  **Security for a bidding offer:** * The bank guarantee is required in the amount of at least 1 (one) % of the bidding offer price. A bank guarantee sample shall be specified in the General Terms and Conditions.
* Bank guarantees shall be submitted as enclosed in the bidding offer envelope along with the bidding offer. Otherwise, the Purchasing Organization shall reserve the right to reject such offer.
* The financial institution that issued the guarantee should be acknowledged in the Republic of Azerbaijan and / or international financial transactions. The purchasing organization shall reserve the right not to accept and reject any unreliable bank guarantee.
* Persons wishing to participate in the bidding and intending to submit another type of warranty (letter of credit, securities, transfer of funds to the special banking account set forth by the Procuring Organization in the bidding documents, deposit and other financial assets) shall request and obtain a consent from ASCO through the contact person reflected in the announcement on the acceptability of such type of warranty.
* A contract performance bond is required in the amount of 5 (five) % of the purchase price.
* For the current procurement operation, the Procuring Organization is expected to make payment only after the goods have been delivered to the warehouse, no advance payment has been intended.

**Contract Performance Term:*** It is provided that the goods to be delivered within 10 days due to emergence of urgent demand for the goods.
 |
|  | **Final deadline date and time for submission of the bidding offer:*** All participants, which have submitted their application for participation in the bidding and bank evidence as a proof of payment of participation fee by the date and time stipulated in section one, and shall submit their bidding offer (one original and two copies) enclosed in sealed envelope to ASCO by **17.00** Baku time on **March 13, 2024.**
* All bidding offer envelopes submitted after the above-mentioned date and time shall be returned unopened.
 |
|  | **Address of the procuring company:**The Azerbaijan Republic, Baku city, AZ1003 (postcode), 2 Mikayil Useynov street, Procurement Committee of ASCO.**Contact persons (coordinating person) in charge:**Specialist of the Procurement Department of ASCOEmil BabayevTelephone No.: +994 50 212 35 11 ( extension: 1242)E-mail : emil.a.babayev@asco.az , tender@asco.az **Contact person on legal issues:**Landline No.: +994 12 4043700 (ext: 1262)Email address: tender@asco.az |
|  | **Date and time assigned for the opening of bidding offer envelopes:**Opening of the envelopes shall take place at **15.00** Baku time on **March 14, 2024** in the address stated in section V of the announcement. Persons wishing to participate in the opening of the envelopes shall submit a document confirming their permission to participate (the relevant power of attorney from the participating legal entity or natural person) and the ID card at least half an hour before the commencement of the bidding. |
|  | **Information on the winner of the bidding :**Information on the winner of the bidding will be posted in the "Announcements" section of the ASCO official website.  |

**(On the participant`s letter head)**

**APPLICATION FOR PARTICIPATION IN**

**THE OPEN BIDDING**

\_\_\_\_\_\_\_\_\_\_\_ city “\_\_”\_\_\_\_\_\_\_20\_

\_\_\_\_\_\_\_\_\_\_\_№

**To the attention of the Chairman of ASCO Procurement Committee**

**Mr Jabrail Mahmudlu**

We, hereby confirm the intention of [ to state full name of the participant ] to participate in the open bidding No. [ bidding No. shall be inserted by participant ] announced by ASCO in respect of procurement of "\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_" .

Moreover, we confirm that no winding - up or bankruptcy proceeding is being performed or there is no circumstance of cessation of activities or any other circumstance that may impede participation of [ to state full name of the participant ] in the stated bidding.

In addition, we warrant that [ to state full name of the participant ] is not an affiliate of ASCO.

Below-mentioned contact details are available to respond to any question that may emerge in relation to the documents submitted and other issues:

* Contact person in charge:
* Position of the contact person:
* Telephone No.:
* E-mail:

**Attachment:**

1. *Original of the bank evidence as a proof of payment of participation fee – \_\_ page(s).*

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*(initials of the authorized person) (signature of the authorized person)*

\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

 *(position of the authorized person)*

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 **LIST OF THE GOODS:**

|  |  |  |  |
| --- | --- | --- | --- |
| **№** | **Nomination of works** | **Measurement unit** | **Quantity** |
| **Pool construction** |
| 1 | The excavation of soil using excavators with a capacity of 0.5 (0.5-0.63) m3 and loading the soil into a vehicle. Soil classification group: 3 | m 3 | 640.5 |
| 2 | Transportation of soil by motor vehicle | T | 1024.8 |
| 3 | Excavation of soil using dragline excavators with a capacity of 0.5 (0.5-0.63) m3 and loading the soil into a transport vehicle. Soil classification group: 2 | m3 | 76.2 |
| 4 | Hand digging and excavation of soil in inclined trenches up to 2 meters deep without reinforcements. Soil classification group: 3 | m3 | 2.4 |
| 5 | Backfilling of pits and trenches using bulldozers with soil displacement to a depth of up to 5 meters, bulldozer power: 59 (80) kW (hp), soil classification group: 3. | m3 | 58.9 |
| 6 | Manual backfilling of pits and trenches, soil classification group: 3 | m3 | 19.7 |
| 7 | Compaction (tamping) of soil using pneumatic tampers, soil classification group: 3, 4 | m3 | 19.7 |
| 8 | Preparation of the sub - foundation base: gravel (h = 100 mm). | m3 | 31.2 |
| 9 | Making a preparatory layer of concrete, grade B7.5 (h = 100 mm). | m3 | 30.4 |
| 10 | Waterproofing of walls and foundations: horizontal, with 2 layers of adhesive (Hidroizol). | m2 | 303.8 |
| 11 | Waterproofing of walls and foundations: horizontal, with a liquid glass cement solution. | m2 | 303.8 |
| 12 | Waterproofing of walls and foundations: lateral, with a liquid glass cement solution (vertical waterproofing). | m2 | 171.4 |
| 13 | Lateral waterproofing: 2 layers with bitumen on a flat surface of brick, concrete, and masonry. | m2 | 171.4 |
| 14 | Preparation of reinforced concrete foundation slabs: flat. | m3 | 88.8 |
| 15 | Reinforcement of class A-3 | t | 7.727 |
| 16 | Installation of reinforced concrete retaining walls and basement walls, height: up to 3 m, thickness up to 300 mm (installation of the pool walls). | m3 | 28 |
| 17 | Reinforcement of class A-1 | t | 0.177 |
| 18 | Reinforcement of class A-3 | t | 3.551 |
| 19 | Waterproofing surfaces of concrete and reinforced concrete structures with flexible two-layer protective coatings on an acrylic basis: vertical (waterproofing of the floor and walls of the pool from water leaks - mesh waterproofing). | m2 | 424.38 |
| 20 | Facing the external concrete surfaces with small ceramic tiles and walls using polymer-cement mortar (laying mosaic tiles on the floor and walls of the pool). Mosaic tile size: 2.5 cm \* 2.5 cm (frost-resistant). | m2 | 526.1 |
| 21 | Installation of an overflow channel (Porcelain handle, non-slip) 25 \* 25 cm + Grid 25 \* 25 Turkey 114 running metres. | p c s | 456 |
| 22 | Laying tiles in the overflow channel - 86 sq.m. White 114 running metres (frost-resistant). | m2 | 90 |
| 23 | Installation of stainless steel staircase (stainless steel) (2 pcs - 500 x 1320, 1 pc - 500 x 1100). | p c s | 2 |
| 24 | Manufacturing of tile coverings in cement mortar: ceramic, multicolored for floors (Laying ceramic tiles around the pool) (frost-resistant). | m2 | 543 |
| 25 | Section 3. Pool Lighting |  |  |
| 26 | Hook-mounted hanging lighting fixtures for premises with heavy operating conditions (Installation of pool lights) LED spotlight ДВО23-13-001 ДЛМ 2 840 13W. | p c s | 17 |
| 27 | Hook-mounted hanging lighting fixtures for premises with heavy operating conditions (Installation of pool lights) LED spotlight ДВО23-10-001 ДЛМ 2 840 10W. | p c s | 13 |
| 28 | Installation of power cable 0.6/110 kV NHXMH 3 x 4. | m | 150 |
|   | **Pool equipment** |
|   | Section 1. Pipes |  |  |
| 29 | Installation of water supply pipeline using plastic pipes, diameter: 125 mm PN16. | m | 72 |
| 30 | Installation of water supply pipeline using plastic pipes, diameter: 100 mm PN16. | m | 52 |
| 30 | Installation of water supply pipeline using plastic pipes, diameter: 90 mm PN16. | m | 30 |
| 31 | Installation of water supply pipeline using plastic pipes, diameter: 63 mm PN16. | m | 122 |
| 31 | Installation of centrifugal pumps with electric motor, unit weight: up to 0.1 ton. | p c s | 3 |
| 32 | Dosing pump 100 - 1000 µm. | p c s | 3 |
| 32 | Installation of the "Dojaz" Ph-Cl pool cleaning system. | p c s | 2 |
| 33 | Installation of a vacuum cleaner (Kit + Kit of Products, Tester, Grid, etc.). | p c s | 2 |
| 33 | Installation of centrifugal pumps with electric motor, unit weight: up to 0.1 tons (Circulation pump Q = 15 m3/h H = 12 m). | p c s | 6 |
| 34 | Installation of centrifugal pumps with electric motor, unit weight: up to 0.1 ton. (Submersible pump) | p c s | 1 |
| 34 | Submersible drainage water pump: Q = 2.5 l/s = 9 m³/h, H = 3-5 m, N = 1.0 kW. | p c s | 1 |
| 35 | Installation of valves, dampers, sliders, check valves, bypass valves in pipelines made of plastic pipes with a pipe diameter of up to 50 mm (Parallel gate valves with a diameter of 50 mm) PN16. | p c s | 31 |
| 35 | Installation of valves, dampers, sliders, check valves, bypass valves in pipelines made of plastic pipes with a pipe diameter of up to 100 mm (Parallel gate valves with a diameter of 100 mm) PN16. | p c s | 5 |
| 36 | Installation of valves, dampers, sliders, check valves, bypass valves in pipelines made of plastic pipes with a pipe diameter of up to 125 mm Parallel gate valves with a diameter of 125 mm PN16. | p c s | 6 |
| 36 | Installation of valves, dampers, sliders, check valves, bypass valves in pipelines made of plastic pipes with a pipe diameter of up to 150 mm (Parallel gate valves with a diameter of 150 mm) PN16. | p c s | 18 |
| 37 | Installation of valves, dampers, sliders, check valves, bypass valves in pipelines made of plastic pipes with a pipe diameter of up to 50 mm, Non return valve 9ч16бр D = 50 mm 16 kg / cm2 PN16  | p c s | 18 |
| 37 | Installation of valves, dampers, sliders, check valves, bypass valves in pipelines made of plastic pipes with a pipe diameter of up to 125 mm, Non return valve 9ч16бр D = 100 mm 16 kg / cm2 (as appropriate to 125 mm) PN16  | p c s | 3 |
| 38 | Installation of valves, dampers, sliders, check valves, bypass valves in pipelines made of plastic pipes with a pipe diameter of up to 150 mm, Non return valve 9ч16бр D = 150 mm 16 kg / cm2 PN16  | p c s | 2 |
| 38 | Floor drain PVC; dimensions 25 x 25 cm, drain channel at the bottom, brand "Maxiflow" (Turkey). | p c s | 6 |
| 39 | Installation of drains, diameter: 50 mm (as appropriate to 65 mm). | s e t | 8 |
| 39 | Jet system for the pool - Jet D63. | p c s | 42 |
| 40 | Installation of the overflow trap. Installation of longitudinal drains along the edges of the movable part or along the fastening strips: using chrysotile-cement pipes. (Is drainage installed around the pool?  | R u n n i n g m e t r e | 114 |
|   | **Construction of the pump room** |  |  |
| 41 | The excavation of soil using excavators with a capacity of 0.5 (0.5-0.63) m3 and loading the soil into a vehicle. Soil classification group: 3 | m3 | 90 |
| 42 | Transportation of soil by motor vehicle | t | 153 |
| 43 | Preparation of the sub - foundation base: gravel (h = 100 mm). | m3 | 3.7 |
| 44 | Making a preparatory layer of concrete, grade B7.5 (h = 100 mm). | m2 | 35 |
| 45 | Waterproofing of walls and foundations: horizontal, with 2 layers of adhesive (Hidroizol). | m2 | 35 |
| 46 | Waterproofing of walls and foundations: horizontal, with a liquid glass cement solution. | m2 | 35 |
| 47 | Waterproofing of walls and foundations: lateral, with a liquid glass cement solution (vertical waterproofing). | m2 | 83.5 |
| 48 | Lateral waterproofing: 2 layers with bitumen on a flat surface of brick, concrete, and masonry. | m2 | 83.5 |
| 49 | Preparation of reinforced concrete foundation slabs: flat. | m3 | 9.78 |
| 50 | Reinforcement of class A-3 | t | 0.851 |
| 51 | Installation of reinforced concrete retaining walls and basement walls, height: up to 3 m, thickness up to 300 mm (Installation of the pump room walls). | m3 | 18 |
| 52 | Reinforcement of class A-1 | t | 0.085 |
| 53 | Reinforcement of class A-3 | t | 2.283 |
| 54 | Installation of beamless structures with a thickness of up to 200 mm and a height of up to 6 m from the supporting platform (Tvm-1). | m3 | 4.1 |
| 55 | Reinforcement of class A-1 | t | 0.021 |
| 56 | Reinforcement of class A-3 | t | 0.52 |
| 57 | Installation of reinforced concrete stairs (Steps down to the pumping station). | m3 | 1.9 |
| 58 | Reinforcement of class A-1 | t | 0.05 |
| 59 | Reinforcement of class A-3 | t | 0.168 |
| 60 | Preparation of a cement-sand leveling layer with a thickness of 15 mm (floor of the pumping room). | m2 | 20.5 |
| 61 | Preparation of a cement-sand leveling layer: Preparing a cement screed fixing layer by adding or subtracting (12-01-017-01) for each change in thickness of 1 mm (Application 5 mm). | m2 | 20.5 |
| 62 | Making a frictional vapor barrier: one layer.  | m2 | 20.5 |
| 63 | Making a frictional vapor barrier: adding 12-01-015-04 to each subsequent layer (2nd layer). | m2 | 20.5 |
| 64 | Laying of ceramic tiles through cement and perlite based lightweight filling mortar (adhesive mixture ГОСТ 28013-98) on the floor (including gap filler cement) (Ceramic tiles - as per the sample provided by the Customer, ГОСТ 6787-2001, 300 x 300 x 10 mm) | m2 | 20.5 |
| 65 | Laying ceramic tiles on walls (including fillers and adhesive mixture ГОСТ 28013-98) (Ceramic tile - as per the sample provided by the Customer, 200 x 500 x 8 mm ГОСТ 13996 - 2019) | m2 | 81.5 |
| 66 | Installation of a composite door for the pump room - 120 cm \* 120 cm. | p c s | 1 |
| 67 | Making a frictional waterproofing: single-layer thickness 2 mm (for the floor of the pump room). | m2 | 16.8 |
| 68 | Making coatings from tiles in a cement mortar: ceramic, multicolored, for floors. | m2 | 16.8 |
| 69 | Installation of landing platforms and steps with porcelain stoneware tiles (Steps of the pump room). | m2 | 8.8 |
|   | Pump room power supply  |  |  |
| 70 | Hanging control cabinet (control panel), height, width, and depth in millimeters, up to: 600 x 600 x 350 (800 (H) x 600 x 250 mm - respectively). | p c s | 1 |
| 71 | Distribution board for internal power supply | p c s | 1 |
| 72 | Single, double, three-pole circuit breaker installed on a wall or column structure, current, A, up to: 100. | p c s | 2 |
| 73 | Automatic circuit breaker: GÜNSAN OSG C 345-32 3 POLE CIRCUIT BREAKER 32 A, | p c s | 1 |
| 74 | Schneider EZ9F43332 C type Automatic Circuit Breaker 3P Type 32A, made in Germany | p c s | 1 |
| 75 | Power transformer, voltage kV, up to: 10 | p c s | 3 |
| 76 | Power transformer TK-20-0,5-100-400/5 UZ TU16-517.442-80 for internal power supply | p c s | 3 |
| 77 | Fuse installed on an insulating base, current, A, up to: 100 (Analyzer) | p c s | 1 |
| 78 | Circuit Breaker Siemens Type C 5SP 4392 - 7 3X125 A, Made in Turkey (as per the analyzer) | p c s | 1 |
| 79 | Single, double, three-pole circuit breaker installed on a wall or column structure, current, A, up to: 25. (respectively - three-pole and single-pole in the line) | p c s | 3 |
| 80 | Automatic circuit breaker: GÜNSAN OSG C 345-32 3 POLE CIRCUIT BREAKER 32 A, | p c s | 2 |
| 81 | Schneider EZ9F43132 3KA C type Automatic Circuit Breaker 1P Type 32A, made in Germany | p c s | 1 |
| 82 | Separate general-purpose magnetic starter, installed on the floor structure, current, A, up to: 40 | p c s | 1 |
| 83 | Magnetic starters | p c s | 1 |
| 84 | Control and alarm device (button, control switch, electromagnetic interlock, sound alarm, signaling lamp), number of end connections, up to: 2 | p c s | 8 |
| 85 | Hoteche 290308 clamp, 80 x 500 mm (mounting rail - respectively) | p c s | 4 |
| 86 | Copper or aluminum busbar, one strip per phase, with a cross-section, mm2, up to: 250. 250 | m | 1 |
| 87 | Installation of a 33W LED wall-mounted lighting fixture | p c s | 22 |
| 88 | Installation of suspended lamps UPM-45 (Conductive lamp in the working area) with a sealed lead-acid (SLA) battery (Battery-ML5-12 SLA 12V 5AH). Dimensions: 3.54 inches x 2.76 inches x 4.21 inches. Terminal: F1. The list is for the battery only. No wires or mounting accessories are included in the kit. | p c s | 1 |
| 89 | Installation of the power switch (for concealed wiring, dual-lever, concave type) | p c s | 1 |
| 90 | Installation of the power switch (for concealed wiring, single - lever, concave type) | p c s | 1 |
| 91 | Installation of the power socket (for concealed wiring, single-lever, concave type). | p c s | 2 |
| 92 | Installation of the distribution box ISILDAR 2207 (distribution box) 10 x 10, Turkey. | p c s | 2 |
| 93 |  Assembly of the metal cable tray with connecting elements, 200 x 40 x 2000 mm, in accordance with ГОСТ Р МЭК 61084-1-2007 (with 90-degree turns, T-junctions, and other hangers and connectors). | m | 100 |
| 94 | Installation of power cable 0.6/110 kV NHXMH 3 x 2.5 | m | 50 |
| 95 | Installation of power cable 0.6/110 kV NHXMH 3 x 4. | m | 25 |
| 96 | Installation of power cable 0.6/110 kV NHXMH 4 x 2.5 | m | 90 |
| 97 | Installation of power cable 0.6/110 kV NHXMH 2 x 1.5 ((1 x 2,5 mm) | m | 12 |
| 98 | Installation of steel pipes, 25 mm, in accordance with ГОСТ 3282-75 (20 mm and 32 mm, respectively). | m | 108 |
| 99 | Horizontal grounding connector: made of strip steel, with a cross-section of 160 mm2.  | m | 140 |
| 100 | Vertical grounding connector made of round steel, diameter: 16 mm. | p c s | 6 |
|   | **Pump room equipment** |  |  |
| 101 | Laying pipelines for boilers, water heaters, and pump connections using electric-welded seamless steel pipes with a diameter of up to 80 mm (D - 80 mm). | m | 30 |
| 102 | Laying pipelines for boilers, water heaters, and pump connections using electric-welded seamless steel pipes with a diameter of up to 80 mm (D - 65 mm). | m | 4 |
| 103 |  Laying water supply pipelines using polyethylene pipes under pressure, external diameter: 50 mm PN 16 (including connecting and auxiliary materials). | m | 6 |
| 104 | Installation of a brass valve with a diameter of 32 mm. | p c s | 2 |
| 105 | Installation of a brass valve with a diameter of 50 mm. | p c s | 1 |
| 106 | Installation of parallel gate valves with a diameter of 80 mm. | p c s | 15 |
| 107 | Installation of parallel gate valves with a diameter of 70 mm (as appropriate to 65 mm). | p c s | 1 |
| 108 | Installation of filters with a diameter of 80 mm (sediment trap). | p c s | 2 |
| 109 | Installation of general-purpose pressure gauges OBМ1-100 with three outlet valves. | s e t | 1 |
| 110 | Installation of a check valve with a diameter of 80 mm and PN 16 pressure rating. | p c s | 1 |
| 111 | Installation of a check valve with a diameter of 65 mm and PN 16 pressure rating. | p c s | 1 |
| 112 |  Installation of centrifugal pumps with electric motor, the weight of the unit up to 0.1 ton. Installation of domestic water pumps for potable water, respectively. Pump unit for drinking water (Q = 4.2 m3/h, H = 45 m, N = 1.1 kW), 1 working and 1 spare (with an automatic control panel). | p c s | 2 |
| 113 | Installation of centrifugal pumps with electric drive, the weight of the unit up to 0.2 tons. Installation of a fire pump, respectively. Hydrophore VANSAN HYDRO 2 CS 15-5 (with 2 pumps, for fire purposes, Q = 2 x 18 m3/h, H = 45 m), N = 2 x 4 kW, 3 x 400 V, 50 Hz (for specific buildings). | p c s | 2 |
| 114 | Installation of centrifugal pumps with electric motor, the weight of the unit up to 0.1 ton. Installation of a drainage pump, respectively. Installation of a drainage pump (ГНОМ 6-10) Q = 6 m³/h, H = 10 m. | p c s | 1 |
| 115 | Installation of rectangular and round expansion tanks with a capacity of up to 0.2 m³ (V = 200 liters). | p c s | 1 |
| 116 | Installation of rectangular and round expansion tanks with a capacity of up to 0.2 m³ (V = 350 liters). | p c s | 1 |
| 117 | Installation of a filter with a capacity of 1250 liters - "Türk Atlaspool" Canada, 61 m³/h. | p c s | 6 |
| 118 | Installation of a 3.5 hp motor "Atlaspool Storm" - 3-phase - 64 m³/h. | p c s | 12 |
| 119 | Quartz sand | kg | 7200 |
|   | **Construction of water reservoir** |  |  |
| 120 | Excavation of soil using excavators with a bucket capacity of 0.5 (0.5-0.63) m3 and loading the soil into a transport vehicle. Soil group: 2 | m3 | 18.204 |
| 121 | Hand digging and excavation of soil in inclined trenches up to 2 meters deep without reinforcements. Soil classification group: 2 | m3 | 56 |
| 122 | Compaction (tamping) of soil using pneumatic tampers, soil classification group: 1, 2 | m3 | 5.7 |
| 123 | Backfilling of pits and trenches using bulldozers with soil displacement to a depth of up to 5 meters, bulldozer power: 59 (80) kW (hp), soil classification group: 2  | m3 | 67.3 |
| 124 | Manual backfilling of pits and trenches, soil classification group: 2 | m3 | 22.4 |
| 125 | Loading soil into vehicle  | t | 156.7 |
| 126 | Total for ground works (in manats) |  |  |
| 127 | Section 2. Construction of the foundation (reinforced concrete structure) |  |  |
| 128 | Preparation of the sub - foundation base: gravel | m3 | 3.5 |
| 129 | Making a preparatory layer of concrete | m3 | 2.9 |
| 130 | Waterproofing of walls and foundations: horizontal, with 2 layers of adhesive (Hidroizol). | m2 | 29 |
| 131 | Waterproofing of walls and foundations: horizontal, with a liquid glass cement solution. | m2 | 29 |
| 132 | Waterproofing of walls and foundations: lateral, with a liquid glass cement solution (vertical waterproofing). | m2 | 59.2 |
| 133 | Lateral waterproofing: 2 layers with bitumen on a flat surface of brick, concrete, and masonry. | m2 | 59.2 |
| 134 | Preparation of reinforced concrete foundation slabs: flat. | m3 | 8.4 |
| 135 | Reinforcement of grade A-1 (D - 8 mm) | t | 0.021 |
| 136 | Reinforcement of grade A-3 (D - 14 mm (7.508 t), D - (0.219 t)) | t | 0.506 |
| 137 | Installation of reinforced concrete retaining walls and basement walls, height: up to 3 m, thickness up to 300 mm (installation of the bilge pool walls). | m3 | 14.25 |
| 138 | Reinforcement of grade A-1 (D - 8 mm) | t | 0.046 |
| 139 | Reinforcement of grade A-3 (D - 14 mm (7.508 t), D - (0.219 t)) | t | 1.315 |
| 140 | Installation of beamless structures with a thickness of up to 200 mm and a height of up to 6 m from the supporting platform (MT-1 and MT-2) | m3 | 3.03 |
| 141 | Reinforcement of grade A-1 (D - 8 mm) | t | 0.015 |
| 142 | Reinforcement of grade A-3 (D - 14 mm (7.508 t), D - (0.219 t)) | t | 0.403 |
| 143 | Installation of suction, ventilation, and flue ducts up to 250 m in height. | ton | 0.017 |
| 144 | Waterproofing surfaces of concrete and reinforced concrete structures with flexible two-layer protective coatings on an acrylic basis: vertical (waterproofing of the floor and walls of the pool from water leaks - mesh waterproofing). | m2 | 80 |
| 145 | Laying floor layers: concrete (Encasing the lower part of the pipe with concrete B-10, accordingly). | m3 | 0.3 |
| 146 | Installation of a composite cover on the water reservoir - 60 cm \* 60 cm. | ton | 0.1 |
|   | **Dressing Room** |  |  |
| 147 | Hand digging and excavation of soil in inclined trenches up to 2 meters deep without reinforcements. Soil classification group: 2 | m3 | 15 |
| 148 | Manual backfilling of pits and trenches, soil classification group: 2 | m3 | 6 |
| 149 | Compaction (tamping) of soil using pneumatic tampers, soil classification group: 1, 2 | m3 | 6 |
| 150 | Loading the excessive soil on the truck and carriage (Loading of the excessive soil)  | t | 15.21 |
| 151 | Total for ground works (in manats) |  |  |
| 152 | Section 2. Construction of the foundation (reinforced concrete structure) |  |  |
| 153 | Preparation of the sub - foundation base: gravel (h = 100 mm). | m3 | 2 |
| 154 | Making a preparatory layer of concrete (B-7.5 type concrete h = 100 mm) | m3 | 1.5 |
| 155 | Waterproofing of walls and foundations: horizontal, with 2 layers of adhesive  | m2 | 15 |
| 156 | Making the connecting layer: cement, thickness 20 mm (protective cement layer) | m2 | 15 |
| 157 | Making the connecting layer: cement, adding or subtracting according to the standard 11-01-011-01 for every 5 mm change in the thickness of the connecting layer (Additional 10 mm). | m2 | 15 |
| 158 | Construction of strap foundations: reinforced concrete, with a width of the upper side up to 1000 mm. | m3 | 4 |
| 159 | Reinforcement of class A-1 | t | 0.126 |
| 160 | Reinforcement of class A-3 | t | 0.214 |
| 161 | Enhanced plastering with cement-lime mortar on stone: walls (Smoothing the masonry on the outside and inside for insulation) | m2 | 29.44 |
| 162 | Lateral waterproofing: 2 layers with bitumen on a flat surface of brick, concrete, and masonry (vertical waterproofing) | m2 | 51.2 |
| 163 | Construction of reinforced concrete columns in a wooden formwork, up to 4 m in height, with a perimeter of up to 2 m (4 units of type C-1). | m3 | 2.72 |
| 164 | Reinforcement of class A-1 | t | 0.098 |
| 165 | Reinforcement of class A-3 | t | 0.236 |
| 166 | Belt construction: cast (Mk-1 at -0.10). | m3 | 1.47 |
| 167 | Reinforcement of class A-1 | t | 0.047 |
| 168 | Reinforcement of class A-3 | t | 0.053 |
| 169 | Installation of blocks for the covering, overhead, and connecting beams with a height of up to 6 meters above the supporting platform, beam height up to 500 mm (level +3.15 Pm-1 and Pm-2).  | m3 | 2.6 |
| 170 | Reinforcement of class A-1 | t | 0.176 |
| 171 | Reinforcement of class A-3 | t | 0.497 |
| 172 | Installation of beamless structures with a thickness of up to 200 mm and a height of up to 6 m from the supporting platform (Coverage). | m3 | 3.75 |
| 173 | Reinforcement of class A-1 | t | 0.027 |
| 174 | Reinforcement of class A-3 | t | 0.552 |
| 175 | Laying floor layers: concrete (h = 100 mm, concrete B-7.5).  | m3 | 2.02 |
| 176 | Manufacturing a sticky hydroelectric power layer from roll materials: 1st layer in bitumen mastic. | m2 | 20.2 |
| 177 | Manufacturing a sticky hydroelectric power layer from roll materials: Subsequent layer in bitumen mastic. | m2 | 20.2 |
| 178 | Making the connecting layer: cement, thickness 20 mm (protective cement layer) | m2 | 20.2 |
| 179 | Making the connecting layer: cement, adding or subtracting according to the standard 11-01-011-01 for every 5 mm change in the thickness of the connecting layer (Additional 10 mm). | m2 | 20.2 |
| 180 | Installation of beamless floor coverings with a thickness of up to 200 mm and a height of up to 6 m above the supporting platform.  | m3 | 2.02 |
| 181 | Reinforcement of class A-3 | t | 0.125 |
| 182 | Construction of reinforced concrete stairs (Construction of external staircase ES-1). | m3 | 1.65 |
| 183 | Reinforcement of class A-1 | t | 0.066 |
| 184 | Reinforcement of class A-3 | t | 0.167 |
| 185 | Construction of reinforced concrete columns in a wooden formwork, up to 4 m in height, with a perimeter of up to 2 m (8 units of type D-1). | m3 | 0.32 |
| 186 | Reinforcement of class A-1 | t | 0.01 |
| 187 | Reinforcement of class A-3 | t | 0.038 |
| 188 | Installation of a belt: cast (Mk-2 at +3.95). | m3 | 0.8 |
| 189 | Reinforcement of class A-1 | t | 0.036 |
| 190 | Reinforcement of class A-3 | t | 0.08 |
| 191 | Construction of the foundation (reinforced concrete structure) |  |  |
| 192 | Section 3. Masonry and decoration works |  |  |
| 193 | Laying of sawn stone 390 x 190 x 188 mm for external walls of residential and public buildings: thickness 39 cm. | m2 for mansory excluding gaps | 37.2 |
| 194 | Masonry of reinforced partitions of brick: with floor height up to 4 m - thickness of brick 1/4. | m2 | 18 |
| 195 | High-quality plastering with cement-lime mortar on stone, walls: smooth (facade walls) | m2 | 37.2 |
| 196 | Painting facades made of wooden boards with surface preparation: perchlorvinyl | m2 | 37.2 |
| 197 | Plastering concrete and stone surfaces with cement-lime or cement mortar: walls, simple (plastering for tiles) | m2 | 67 |
| 198 | Laying of ceramic tiles through cement and perlite based lightweight filling mortar (adhesive mixture ГОСТ 28013-98) on the floor (including gap filler cement) (Ceramic tiles - as per the sample provided by the Customer, ГОСТ 6787-2001, 300 x 300 x 10 mm) | m2 | 37.2 |
| 199 | Laying ceramic tiles on walls (including fillers and adhesive mixture ГОСТ 28013-98) (Ceramic tile - as per the sample provided by the Customer, 200 x 500 x 8 mm ГОСТ 13996 - 2019) | m2 | 67 |
| 200 | Suspended ceiling construction using gypsum fiberboard (GFB) sheets (Suspended ceiling made of moisture-resistant gypsum board). | m2 | 36.5 |
| 201 | Enhanced painting with polyvinyl acetate water-emulsion compositions: assembled structures, ceilings prepared for painting (Ceiling painting) | m2 | 36.5 |
| 202 | Laying wooden battens with dimensions 5 x 15 cm on the roofing surface. | m | 70 |
| 203 | Installation of wooden battens and strips with dimensions 5 x 10 cm on the roofing surface. | m2 | 42 |
| 204 | Installation of corrugated sheets with a thickness of 0.42 mm by placing them on the roof using a wooden lattice with dimensions 10 x 3 cm. . . | m2 | 42 |
| 205 | Installation of a ridge with a thickness of 0.42 mm and a width of 50 cm on the roofing. | r u n n i n g m e t r e | 18 |
| 206 | Closure of joints with the roof using a metal sheet with a thickness of 0.44 mm (window and door rims). | m2 | 3.5 |
| 207 | Installation of a metal sheet eave: thickness 0.44 mm, width 25 cm | r u n n i n g m e t r e | 36 |
| 208 | Installation of gutters for water drainage (metal thickness 0.44 mm) size: 12 cm.  | r u n n i n g m e t r e | 36 |
| 209 | Installation of a water discharge pot  | p c s | 4 |
| 210 | Installation of metal drain pipe with a diameter of 75 mm (installation along with bends). | m e t r e | 13 |
| 211 | Installation of partitions in sanitary areas: (shower partitions) on frames made of aluminum structural shapes | m2 | 15 |
| 212 | Installation of plastic windows made of PVC (with double-glazing) | m2 | 1.44 |
| 213 | Installation of a plastic door made of PVC (white color) 1 x 2.2 meters | p c s | 2 |
| 214 | Installed pipes, blocks and boxes up to 35 kV cable, mass of 1 m cable, kg, up to:1 (0.6/1.0 kV power cable NHXMH 3 х 2,5) | m | 50 |
| 215 | Installation of PVC cable pipe, 20mm, "Mutlusan" brand | m | 50 |
| 216 | Installation of LED spotlight ДВО23-10-001 ДЛМ 2 840 10W | p c s | 10 |
| 217 | Laying pipes for the internal water supply and heating system using polypropylene pipes: 20 mm (polyethylene pipes 15 and 20 mm - for cold water supply system) | m | 27 |
| 218 | Installation of Plastic Valve 15 mm | p c s | 5 |
| 219 | Installation of Plastic Valve 20 mm | p c s | 1 |
| 220 | Laying pipes for the internal water supply and heating system using polypropylene pipes: 20 mm (polyethylene pipes 15 and 20 mm - for cold water supply system) | m | 21 |
| 221 | Installation of tap mixers (mixer for wash basins) | p c s | 4 |
| 222 | Installation of mixers (Installation of a hygienic shower) | p c s | 4 |
| 223 | Installation of a hygienic water mixer (including a hose and nozzle) | s e t | 4 |
| 224 | Installation of internal sewage pipelines of polypropylene pipes with a diameter of 110 mm | m | 15 |
| 225 | Installation of internal sewage pipelines of polypropylene pipes with a diameter of 50 mm | m | 12 |
| 226 | Installation of an Asian-style toilet: direct connection to the tank | s e t | 4 |
| 227 | Installation of wash basins: with hot and cold water supply. | s e t | 4 |
| 228 | Installation of drains, diameter: 50 mm  | s e t | 4 |
| 229 | Installation of the 'Arco' faucet | p c s | 12 |
| 230 | Installation of water heater 50L  | p c s | 1 |

|  |  |  |  |
| --- | --- | --- | --- |
| **№** | **Nomination of works** | **Measurement unit** | **Quantity** |
| **Pool construction** |
| 1 | The excavation of soil using excavators with a capacity of 0.5 (0.5-0.63) m3 and loading the soil into a vehicle. Soil classification group: 3 | m3 | 640.5 |
| 2 | Transportation of soil by motor vehicle | t | 1024.8 |
| 3 | Excavation of soil using dragline excavators with a capacity of 0.5 (0.5-0.63) m3 and loading the soil into a transport vehicle. Soil classification group: 2 | m3 | 76.2 |
| 4 | Hand digging and excavation of soil in inclined trenches up to 2 meters deep without reinforcements. Soil classification group: 3 | m3 | 2.4 |
| 5 | Backfilling of pits and trenches using bulldozers with soil displacement to a depth of up to 5 meters, bulldozer power: 59 (80) kW (hp), soil classification group: 3. | m3 | 58.9 |
| 6 | Manual backfilling of pits and trenches, soil classification group: 3 | m3 | 19.7 |
| 7 | Compaction (tamping) of soil using pneumatic tampers, soil classification group: 3, 4 | m3 | 19.7 |
| 8 | Preparation of the sub - foundation base: gravel (h = 100 mm). | m3 | 31.2 |
| 9 | Making a preparatory layer of concrete, grade B7.5 (h = 100 mm). | m3 | 30.4 |
| 10 | Waterproofing of walls and foundations: horizontal, with 2 layers of adhesive (Hidroizol). | m2 | 303.8 |
| 11 | Waterproofing of walls and foundations: horizontal, with a liquid glass cement solution. | m2 | 303.8 |
| 12 | Waterproofing of walls and foundations: lateral, with a liquid glass cement solution (vertical waterproofing). | m2 | 171.4 |
| 13 | Lateral waterproofing: 2 layers with bitumen on a flat surface of brick, concrete, and masonry. | m2 | 171.4 |
| 14 | Preparation of reinforced concrete foundation slabs: flat. | m3 | 88.8 |
| 15 | Reinforcement of class A-3 | t | 7.727 |
| 16 | Installation of reinforced concrete retaining walls and basement walls, height: up to 3 m, thickness up to 300 mm (installation of the pool walls). | m3 | 28 |
| 17 | Reinforcement of class A-1 | t | 0.177 |
| 18 | Reinforcement of class A-3 | t | 3.551 |
| 19 | Waterproofing surfaces of concrete and reinforced concrete structures with flexible two-layer protective coatings on an acrylic basis: vertical (waterproofing of the floor and walls of the pool from water leaks - mesh waterproofing). | m2 | 424.38 |
| 20 | Facing the external concrete surfaces with small ceramic tiles and walls using polymer-cement mortar (laying mosaic tiles on the floor and walls of the pool). Mosaic tile size: 2.5 cm \* 2.5 cm (frost-resistant). | m2 | 526.1 |
| 21 | Installation of an overflow channel (Porcelain handle, non-slip) 25 \* 25 cm + Grid 25 \* 25 Turkey 114 running metres. | p c s | 456 |
| 22 | Laying tiles in the overflow channel - 86 sq.m. White 114 running metres (frost-resistant). | m2 | 90 |
| 23 | Installation of stainless steel staircase (stainless steel) (2 pcs - 500 x 1320, 1 pc - 500 x 1100). | p c s | 2 |
| 24 | Manufacturing of tile coverings in cement mortar: ceramic, multicolored for floors (Laying ceramic tiles around the pool) (frost-resistant). | m2 | 543 |
| 25 | Section 3. Pool Lighting |  |  |
| 26 | Hook-mounted hanging lighting fixtures for premises with heavy operating conditions (Installation of pool lights) LED spotlight ДВО23-13-001 ДЛМ 2 840 13W. | p c s | 17 |
| 27 | Hook-mounted hanging lighting fixtures for premises with heavy operating conditions (Installation of pool lights) LED spotlight ДВО23-10-001 ДЛМ 2 840 10W. | p c s | 13 |
| 28 | Installation of power cable 0.6/110 kV NHXMH 3 x 4. | m | 150 |
|   | **Pool equipment** |
|   | Section 1. Pipes |  |  |
| m | Installation of water supply pipeline using plastic pipes, diameter: 125 mm PN16. |  | 72 |
| m | Installation of water supply pipeline using plastic pipes, diameter: 100 mm PN16. |  | 52 |
| m | Installation of water supply pipeline using plastic pipes, diameter: 90 mm PN16. |  | 30 |
| m | Installation of water supply pipeline using plastic pipes, diameter: 63 mm PN16. |  | 122 |
| p c s | Installation of centrifugal pumps with electric motor, unit weight: up to 0.1 ton. |  | 3 |
| p c s | Dosing pump 100 - 1000 µm. |  | 3 |
| p c s | Installation of the "Dojaz" Ph-Cl pool cleaning system. |  | 2 |
| p c s | Installation of a vacuum cleaner (Kit + Kit of Products, Tester, Grid, etc.). |  | 2 |
| p c s | Installation of centrifugal pumps with electric motor, unit weight: up to 0.1 tons (Circulation pump Q = 15 m3/h H = 12 m). |  | 6 |
| p c s | Installation of centrifugal pumps with electric motor, unit weight: up to 0.1 ton. (Submersible pump) |  | 1 |
| p c s | Submersible drainage water pump: Q = 2.5 l/s = 9 m³/h, H = 3-5 m, N = 1.0 kW. |  | 1 |
| p c s | Installation of valves, dampers, sliders, check valves, bypass valves in pipelines made of plastic pipes with a pipe diameter of up to 50 mm (Parallel gate valves with a diameter of 50 mm) PN16. |  | 31 |
| p c s | Installation of valves, dampers, sliders, check valves, bypass valves in pipelines made of plastic pipes with a pipe diameter of up to 100 mm (Parallel gate valves with a diameter of 100 mm) PN16. |  | 5 |
| p c s | Installation of valves, dampers, sliders, check valves, bypass valves in pipelines made of plastic pipes with a pipe diameter of up to 125 mm Parallel gate valves with a diameter of 125 mm PN16. |  | 6 |
| p c s | Installation of valves, dampers, sliders, check valves, bypass valves in pipelines made of plastic pipes with a pipe diameter of up to 150 mm (Parallel gate valves with a diameter of 150 mm) PN16. |  | 18 |
| p c s | Installation of valves, dampers, sliders, check valves, bypass valves in pipelines made of plastic pipes with a pipe diameter of up to 50 mm, Non return valve 9ч16бр D = 50 mm 16 kg / cm2 PN16  |  | 18 |
| p c s | Installation of valves, dampers, sliders, check valves, bypass valves in pipelines made of plastic pipes with a pipe diameter of up to 125 mm, Non return valve 19ч16р D = 100 mm 16 kg / cm2 (as appropriate to 125 mm) PN16  |  | 3 |
| p c s | Installation of valves, dampers, sliders, check valves, bypass valves in pipelines made of plastic pipes with a pipe diameter of up to 150 mm, Non return valve 9ч16бр D = 150 mm 16 kg / cm2 PN16  |  | 2 |
| p c s | Floor drain PVC; dimensions 25 x 25 cm, drain channel at the bottom, brand "Maxiflow" (Turkey). |  | 6 |
| set | Installation of drains, diameter: 50 mm (as appropriate to 65 mm). |  | 8 |
| p c s | Jet system for the pool - Jet D63. |  | 42 |
| running metre | Installation of the overflow trap. Installation of longitudinal drains along the edges of the movable part or along the fastening strips: using chrysotile-cement pipes. (Is drainage installed around the pool?  |  | 114 |
|  | **Construction of the pump room** |  |  |
| m3 | The excavation of soil using excavators with a capacity of 0.5 (0.5-0.63) m3 and loading the soil into a vehicle. Soil classification group: 3 |  | 90 |
| t | Transportation of soil by motor vehicle |  | 153 |
| m3 | Preparation of the sub - foundation base: gravel (h = 100 mm). |  | 3.7 |
| m2 | Making a preparatory layer of concrete, grade B7.5  |  | 35 |
| m2 | Waterproofing of walls and foundations: horizontal, with 2 layers of adhesive (Hidroizol). |  | 35 |
| m2 | Waterproofing of walls and foundations: horizontal, with a liquid glass cement solution. |  | 35 |
| m2 | Waterproofing of walls and foundations: lateral, with a liquid glass cement solution (vertical waterproofing). |  | 83.5 |
| m2 | Lateral waterproofing: 2 layers with bitumen on a flat surface of brick, concrete, and masonry. |  | 83.5 |
| m3 | Preparation of reinforced concrete foundation slabs: flat. |  | 9.78 |
| t | Reinforcement of class A-3 |  | 0.851 |
| m3 | Installation of reinforced concrete retaining walls and basement walls, height: up to 3 m, thickness up to 300 mm (Installation of the pump room walls). |  | 18 |
| t | Reinforcement of class A-1 |  | 0.085 |
| t | Reinforcement of class A-3 |  | 2.283 |
| m3 | Installation of beamless structures with a thickness of up to 200 mm and a height of up to 6 m from the supporting platform (Tvm-1). |  | 4.1 |
| t | Reinforcement of class A-1 |  | 0.021 |
| t | Reinforcement of class A-3 |  | 0.52 |
| m3 | Installation of reinforced concrete stairs (Steps down to the pumping station). |  | 1.9 |
| t | Reinforcement of class A-1 |  | 0.05 |
| t | Reinforcement of class A-3 |  | 0.168 |
| m2 | Preparation of a cement-sand leveling layer with a thickness of 15 mm (floor of the pumping room). |  | 20.5 |
| m2 | Preparation of a cement-sand leveling layer: Preparing a cement screed fixing layer by adding or subtracting (12-01-017-01) for each change in thickness of 1 mm (Additional 5 mm). |  | 20.5 |
| m2 | Making a frictional vapor barrier: one layer.  |  | 20.5 |
| m2 | Making a frictional vapor barrier: adding 12-01-015-04 to each subsequent layer (2nd layer). |  | 20.5 |
| m2 | Laying of ceramic tiles through cement and perlite based lightweight filling mortar (adhesive mixture ГОСТ 28013-98) on the floor (including gap filler cement) (Ceramic tiles - as per the sample provided by the Customer, ГОСТ 6787-2001, 300 x 300 x 10 mm) |  | 20.5 |
| m2 | Laying ceramic tiles on walls (including fillers and adhesive mixture ГОСТ 28013-98) (Ceramic tile - as per the sample provided by the Customer, 200 x 500 x 8 mm ГОСТ 13996 - 2019) |  | 81.5 |
| p c s | Installation of a composite door for the pump room - 120 cm \* 120 cm. |  | 1 |
| m2 | Making a frictional waterproofing: single-layer thickness 2 mm (for the floor of the pump room). |  | 16.8 |
| m2 | Making coatings from tiles in a cement mortar: ceramic, multicolored, for floors. |  | 16.8 |
| m2 | Installation of landing platforms and steps with porcelain stoneware tiles (Steps of the pump room). |  | 8.8 |
|  | Pump room power supply  |  |  |
| p c s | Hanging control cabinet (control panel), height, width, and depth in millimeters, up to: 600 x 600 x 350 (800 (H) x 600 x 250 mm - respectively). |  | 1 |
| p c s | Distribution board for internal power supply |  | 1 |
| p c s | Single, double, three-pole circuit breaker installed on a wall or column structure, current, A, up to: 100. |  | 2 |
| p c s | Automatic circuit breaker: GÜNSAN OSG C 345-32 3 POLE CIRCUIT BREAKER 32 A, |  | 1 |
| p c s | Schneider EZ9F43332 C type Automatic Circuit Breaker 3P Type 32A, made in Germany |  | 1 |
| p c s | Power transformer, voltage kV, up to: 10 |  | 3 |
| p c s | Power transformer TK-20-0,5-100-400/5 UZ TU16-517.442-80 for internal power supply |  | 3 |
| p c s | Fuse installed on an insulating base, current, A, up to: 100 (Analyzer) |  | 1 |
| p c s | Circuit Breaker Siemens Type C 5SP 4392 - 7 3X125 A, Made in Turkey (as per the analyzer) |  | 1 |
| p c s | Single, double, three-pole circuit breaker installed on a wall or column structure, current, A, up to: 25. (respectively - three-pole and single-pole in the line) |  | 3 |
| p c s | Automatic circuit breaker: GÜNSAN OSG C 345-32 3 POLE CIRCUIT BREAKER 32 A, |  | 2 |
| p c s | Schneider EZ9F43132 C type Automatic Circuit Breaker 1P Type 32A, made in Germany |  | 1 |
| p c s | Separate general-purpose magnetic starter, installed on the floor structure, current, A, up to: 40 |  | 1 |
| p c s | Magnetic starters |  | 1 |
| p c s | Control and alarm device (button, control switch, electromagnetic interlock, sound alarm, signaling lamp), number of end connections, up to: 2 |  | 8 |
| p c s | Hoteche 290308 clamp, 80 x 500 mm (mounting rail - respectively) |  | 4 |
| m | Copper or aluminum busbar, one strip per phase, with a cross-section, mm2, up to: 250. 250 |  | 1 |
| p c s | Installation of a 33W LED wall-mounted lighting fixture |  | 22 |
| p c s | Installation of suspended lamps UPM-45 (Conductive lamp in the working area) with a sealed lead-acid (SLA) battery (Battery-ML5-12 SLA 12V 5AH). Dimensions: 3.54 inches x 2.76 inches x 4.21 inches. Terminal: F1. The list is for the battery only. No wires or mounting accessories are included in the kit. |  | 1 |
| p c s | Installation of the power switch (for concealed wiring, dual-lever, concave type) |  | 1 |
| p c s | Installation of the power switch (for concealed wiring, single - lever, concave type) |  | 1 |
| p c s | Installation of the power socket (for concealed wiring, single-lever, concave type). |  | 2 |
| p c s | Installation of the distribution box ISILDAR 2207 (distribution box) 10 x 10, Turkey. |  | 2 |
| m |  Assembly of the metal cable tray with connecting elements, 200 x 40 x 2000 mm, in accordance with ГОСТ Р МЭК 61084-1-2007 (with 90-degree turns, T-junctions, and other hangers and connectors). |  | 100 |
| m | Installation of power cable 0.6/110 kV NHXMH 3 x 2.5 |  | 50 |
| m | Installation of power cable 0.6/110 kV NHXMH 3 x 4. |  | 25 |
| m | Installation of power cable 0.6/110 kV NHXMH 4 x 2.5 |  | 90 |
| m | Installation of power cable 0.6/110 kV NHXMH 2 x 1.5 ((1 x 2,5 mm) |  | 12 |
| m | Installation of steel pipes, 25 mm, in accordance with ГОСТ 3282-75 (20 mm and 32 mm, respectively). |  | 108 |
| m | Horizontal grounding connector: made of strip steel, with a cross-section of 160 mm2.  |  | 140 |
| p c s | Vertical grounding connector made of round steel, diameter: 16 mm. |  | 6 |
|  | **Pump room equipment** |  |  |
| m | Laying pipelines for boilers, water heaters, and pump connections using electric-welded seamless steel pipes with a diameter of up to 80 mm (D - 80 mm). |  | 30 |
| m | Laying pipelines for boilers, water heaters, and pump connections using electric-welded seamless steel pipes with a diameter of up to 80 mm (D - 65 mm). |  | 4 |
| m |  Laying water supply pipelines using polyethylene pipes under pressure, external diameter: 50 mm PN 16 (including connecting and auxiliary materials). |  | 6 |
| p c s | Installation of a brass valve with a diameter of 32 mm. |  | 2 |
| p c s | Installation of a brass valve with a diameter of 50 mm. |  | 1 |
| p c s | Installation of parallel gate valves with a diameter of 80 mm. |  | 15 |
| p c s | Installation of parallel gate valves with a diameter of 70 mm (as appropriate to 65 mm). |  | 1 |
| p c s | Installation of filters with a diameter of 80 mm (sediment trap). |  | 2 |
| set | Installation of general-purpose pressure gauges OBМ1-100 with three outlet valves. |  | 1 |
| p c s | Installation of a check valve with a diameter of 80 mm and PN 16 pressure rating. |  | 1 |
| p c s | Installation of a check valve with a diameter of 65 mm and PN 16 pressure rating. |  | 1 |
| p c s |  Installation of centrifugal pumps with electric motor, the weight of the unit up to 0.1 ton. Installation of domestic water pumps for potable water, respectively. Pump unit for drinking water (Q = 4.2 m3/h, H = 45 m, N = 1.1 kW), 1 working and 1 spare (with an automatic control panel). |  | 2 |
| p c s | Installation of centrifugal pumps with electric drive, the weight of the unit up to 0.2 tons. Installation of a fire pump, respectively. Hydrophore VANSAN HYDRO 2 CS 15-5 (with 2 pumps, for fire purposes, Q = 2 x 18 m3/h, H = 45 m), N = 2 x 4 kW, 3 x 400 V, 50 Hz (for specific buildings). |  | 2 |
| p c s | Installation of centrifugal pumps with electric motor, the weight of the unit up to 0.1 ton. Installation of a drainage pump, respectively. Installation of a drainage pump (ГНОМ 6-10) Q = 6 m³/h, H = 10 m. |  | 1 |
| p c s | Installation of rectangular and round expansion tanks with a capacity of up to 0.2 m³ (V = 200 liters). |  | 1 |
| p c s | Installation of rectangular and round expansion tanks with a capacity of up to 0.2 m³ (V = 350 liters). |  | 1 |
| p c s | Installation of a filter with a capacity of 1250 liters - "Türk Atlaspool" Canada, 61 m³/h. |  | 6 |
| p c s | Installation of a 3.5 hp motor "Atlaspool Storm" - 3-phase - 64 m³/h. |  | 12 |
| kg | Quartz sand |  | 7200 |
|  | **Construction of a water reservoir (45 m3)** |  |  |
| m3 | Excavation of soil using excavators with a bucket capacity of 0.5 (0.5-0.63) m3 and loading the soil into a transport vehicle. Soil group: 2 |  | 18.204 |
| m3 | Hand digging and excavation of soil in inclined trenches up to 2 meters deep without reinforcements. Soil classification group: 2 |  | 56 |
| m3 | Compaction (tamping) of soil using pneumatic tampers, soil classification group: 1, 2 |  | 5.7 |
| m3 | Backfilling of pits and trenches using bulldozers with soil displacement to a depth of up to 5 meters, bulldozer power: 59 (80) kW (hp), soil classification group: 2  |  | 67.3 |
| m3 | Manual backfilling of pits and trenches, soil classification group: 2 |  | 22.4 |
| t | Loading the excessive soil on the truck and carriage (Loading of the excessive soil)  |  | 156.7 |
|  | Section 2. Construction of the foundation (reinforced concrete structure) |  |  |
| m3 | Preparation of the sub - foundation base: gravel |  | 3.5 |
| m3 | Making a preparatory layer of concrete |  | 2.9 |
| m2 | Waterproofing of walls and foundations: horizontal, with 2 layers of adhesive (Hidroizol). |  | 29 |
| m2 | Waterproofing of walls and foundations: horizontal, with a liquid glass cement solution. |  | 29 |
| m2 | Waterproofing of walls and foundations: lateral, with a liquid glass cement solution (vertical waterproofing). |  | 59.2 |
| m2 | Lateral waterproofing: 2 layers with bitumen on a flat surface of brick, concrete, and masonry. |  | 59.2 |
| m3 | Preparation of reinforced concrete foundation slabs: flat. |  | 8.4 |
| t | Reinforcement of grade A-1 (D - 8 mm) |  | 0.021 |
| t | Reinforcement of grade A-3 (D - 14 mm (7.508 t), D - (0.219 t)) |  | 0.506 |
| m3 | Installation of reinforced concrete retaining walls and basement walls, height: up to 3 m, thickness up to 300 mm (installation of the bilge pool walls). |  | 14.25 |
| t | Reinforcement of grade A-1 (D - 8 mm) |  | 0.046 |
| t | Reinforcement of grade A-3 (D - 14 mm (7.508 t), D - (0.219 t)) |  | 1.315 |
| m3 | Installation of beamless structures with a thickness of up to 200 mm and a height of up to 6 m from the supporting platform (MT-1 and MT-2) |  | 3.03 |
| t | Reinforcement of grade A-1 (D - 8 mm) |  | 0.015 |
| t | Reinforcement of grade A-3 (D - 14 mm (7.508 t), D - (0.219 t)) |  | 0.403 |
| ton | Installation of suction, ventilation, and flue ducts up to 250 m in height. |  | 0.017 |
| m2 | Waterproofing surfaces of concrete and reinforced concrete structures with flexible two-layer protective coatings on an acrylic basis: vertical (waterproofing of the floor and walls of the pool from water leaks - mesh waterproofing). |  | 80 |
| m3 | Laying floor layers: concrete (Encasing the lower part of the pipe with concrete B-10, accordingly). |  | 0.3 |
| ton | Installation of a composite cover on the water reservoir - 60 cm \* 60 cm. |  | 0.1 |
|  | **Dressing Room** |  |  |
| m3 | Hand digging and excavation of soil in inclined trenches up to 2 meters deep without reinforcements. Soil classification group: 2 |  | 15 |
| m3 | Manual backfilling of pits and trenches, soil classification group: 2 |  | 6 |
| m3 | Compaction (tamping) of soil using pneumatic tampers, soil classification group: 1, 2 |  | 6 |
| t | Loading the excessive soil on the truck and carriage (Loading of the excessive soil)  |  | 15.21 |
|  | Section 2. Construction of the foundation (reinforced concrete structure) |  |  |
| m3 | Preparation of the sub - foundation base: gravel (h = 100 mm). |  | 2 |
| m3 | Making a preparatory layer of concrete (B-7.5 type concrete h = 100 mm) |  | 1.5 |
| m2 | Waterproofing of walls and foundations: horizontal, with 2 layers of adhesive  |  | 15 |
| m2 | Making the connecting layer: cement, thickness 20 mm (protective cement layer) |  | 15 |
| m2 | Making the connecting layer: cement, adding or subtracting according to the standard 11-01-011-01 for every 5 mm change in the thickness of the connecting layer (Additional 10 mm). |  | 15 |
| m3 | Construction of strap foundations: reinforced concrete, with a width of the upper side up to 1000 mm. |  | 4 |
| t | Reinforcement of class A-1 |  | 0.126 |
| t | Reinforcement of class A-3 |  | 0.214 |
| m2 | Enhanced plastering with cement-lime mortar on stone: walls (Smoothing the masonry on the outside and inside for insulation) |  | 29.44 |
| m2 | Lateral waterproofing: 2 layers with bitumen on a flat surface of brick, concrete, and masonry (vertical waterproofing) |  | 51.2 |
| m3 | Construction of reinforced concrete columns in a wooden formwork, up to 4 m in height, with a perimeter of up to 2 m (4 units of type C-1). |  | 2.72 |
| t | Reinforcement of class A-1 |  | 0.098 |
| t | Reinforcement of class A-3 |  | 0.236 |
| m3 | Belt construction: cast (Mk-1 at -0.10). |  | 1.47 |
| t | Reinforcement of class A-1 |  | 0.047 |
| t | Reinforcement of class A-3 |  | 0.053 |
| m3 | Installation of blocks for the covering, overhead, and connecting beams with a height of up to 6 meters above the supporting platform, beam height up to 500 mm (level +3.15 Pm-1 and Pm-2).  |  | 2.6 |
| t | Reinforcement of class A-1 |  | 0.176 |
| t | Reinforcement of class A-3 |  | 0.497 |
| m3 | Installation of beamless structures with a thickness of up to 200 mm and a height of up to 6 m from the supporting platform (Coverage). |  | 3.75 |
| t | Reinforcement of class A-1 |  | 0.027 |
| t | Reinforcement of class A-3 |  | 0.552 |
| m3 | Laying floor layers: concrete (h = 100 mm, concrete B-7.5).  |  | 2.02 |
| m2 | Manufacturing a sticky hydroelectric power layer from roll materials: 1st layer in bitumen mastic. |  | 20.2 |
| m2 | Manufacturing a sticky hydroelectric power layer from roll materials: Subsequent layer in bitumen mastic. |  | 20.2 |
| m2 | Making the connecting layer: cement, thickness 20 mm (protective cement layer) |  | 20.2 |
| m2 | Making the connecting layer: cement, adding or subtracting according to the standard 11-01-011-01 for every 5 mm change in the thickness of the connecting layer (Additional 10 mm). |  | 20.2 |
| m3 | Installation of beamless floor coverings with a thickness of up to 200 mm and a height of up to 6 m above the supporting platform.  |  | 2.02 |
| t | Reinforcement of class A-3 |  | 0.125 |
| m3 | Construction of reinforced concrete stairs (Construction of external staircase ES-1). |  | 1.65 |
| t | Reinforcement of class A-1 |  | 0.066 |
| t | Reinforcement of class A-3 |  | 0.167 |
| m3 | Construction of reinforced concrete columns in a wooden formwork, up to 4 m in height, with a perimeter of up to 2 m (8 units of type D-1). |  | 0.32 |
| t | Reinforcement of class A-1 |  | 0.01 |
| t | Reinforcement of class A-3 |  | 0.038 |
| m3 | Installation of a belt: cast (Mk-2 at +3.95). |  | 0.8 |
| t | Reinforcement of class A-1 |  | 0.036 |
| t | Reinforcement of class A-3 |  | 0.08 |
|  | Section 3. Masonry and decoration works |  |  |
| m2 | Laying of sawn stone 390 x 190 x 188 mm for external walls of residential and public buildings: thickness 39 cm. |  | 37.2 |
| m2 | Masonry of reinforced partitions of brick: with floor height up to 4 m - thickness of brick 1/4. |  | 18 |
| m2 | High-quality plastering with cement-lime mortar on stone, walls: smooth (facade walls) |  | 37.2 |
| m2 | Painting facades made of wooden boards with surface preparation: perchlorvinyl |  | 37.2 |
| m2 | Plastering concrete and stone surfaces with cement-lime or cement mortar: walls, simple (plastering for tiles) |  | 67 |
| m2 | Laying of ceramic tiles through cement and perlite based lightweight filling mortar (adhesive mixture ГОСТ 28013-98) on the floor (including gap filler cement) (Ceramic tiles - as per the sample provided by the Customer, ГОСТ 6787-2001, 300 x 300 x 10 mm) |  | 37.2 |
| m2 | Laying ceramic tiles on walls (including fillers and adhesive mixture ГОСТ 28013-98) (Ceramic tile - as per the sample provided by the Customer, 200 x 500 x 8 mm ГОСТ 13996 - 2019) |  | 67 |
| m2 | Suspended ceiling construction using gypsum fiberboard (GFB) sheets (Suspended ceiling made of moisture-resistant gypsum board). |  | 36.5 |
| m2 | Enhanced painting with polyvinyl acetate water-emulsion compositions: assembled structures, ceilings prepared for painting (Ceiling painting) |  | 36.5 |
| m | Laying wooden battens with dimensions 5 x 15 cm on the roofing surface. |  | 70 |
| m2 | Installation of wooden battens and strips with dimensions 5 x 10 cm on the roofing surface. |  | 42 |
| m2 | Installation of corrugated sheets with a thickness of 0.42 mm by placing them on the roof using a wooden lattice with dimensions 10 x 3 cm. . . |  | 42 |
| running metre | Installation of a ridge with a thickness of 0.42 mm and a width of 50 cm on the roofing. |  | 18 |
| m2 | Closure of joints with the roof using a metal sheet with a thickness of 0.44 mm (window and door rims). |  | 3.5 |
| running metre | Installation of a metal sheet eave: thickness 0.44 mm, width 25 cm |  | 36 |
| running metre | Installation of gutters for water drainage (metal thickness 0.44 mm) size: 12 cm.  |  | 36 |
| p c s | Installation of a water discharge pot  |  | 4 |
| metre | Installation of metal drain pipe with a diameter of 75 mm (installation along with bends). |  | 13 |
| m2 | Installation of partitions in sanitary areas: (shower partitions) on frames made of aluminum structural shapes |  | 15 |
| m2 | Installation of plastic windows made of PVC (with double-glazing) |  | 1.44 |
| p c s | Installation of a plastic door made of PVC (white color) 1 x 2.2 meters |  | 2 |
| m | Installed pipes, blocks and boxes up to 35 kV cable, mass of 1 m cable, kg, up to:1 (0.6/1.0 kV power cable NHXMH 3 х 2,5) |  | 50 |
| m | Installation of PVC cable pipe, 20mm, "Mutlusan" brand |  | 50 |
| p c s | Installation of LED spotlight ДВО23-10-001 ДЛМ 2 840 10W |  | 10 |
| m | Laying pipes for the internal water supply and heating system using polypropylene pipes: 20 mm (polyethylene pipes 15 and 20 mm - for cold water supply system) |  | 27 |
| p c s | Installation of Plastic Valve 15 mm |  | 5 |
| p c s | Installation of Plastic Valve 20 mm |  | 1 |
| m | Laying pipes for the internal water supply and heating system using polypropylene pipes: 20 mm (polyethylene pipes 15 and 20 mm - for cold water supply system) |  | 21 |
| p c s | Installation of tap mixers (mixer for wash basins) |  | 4 |
| p c s | Installation of mixers (Installation of a hygienic shower) |  | 4 |
| set | Installation of a hygienic water mixer (including a hose and nozzle) |  | 4 |
| m | Installation of internal sewage pipelines of polypropylene pipes with a diameter of 110 mm |  | 15 |
| m | Installation of internal sewage pipelines of polypropylene pipes with a diameter of 50 mm |  | 12 |
| set | Installation of an Asian-style toilet: direct connection to the tank |  | 4 |
| set | Installation of wash basins: with hot and cold water supply. |  | 4 |
| set | Installation of drains, diameter: 50 mm  |  | 4 |
| p c s | Installation of the 'Arco' faucet |  | 12 |
| p c s | Installation of water heater 50L  |  | 1 |

**It is required to provide the quality certificate, certificate of conformity and information on the manufacturer for the materials used.**

**Delivery time for the works shall be specified.**

**The specialized organization shall have at least 3 years work experience and submit contracts for the installation of the heating system concluded within last 3 years.**

**While performing construction works, safety rules of ACS CJSC and construction safety rules shall be complied with.**

**Payment condition will be accepted "on actual basis" only. Different kind of payment condition proposal offering advance payment will be excluded.**

 **Only DDP shall be accepted as a delivery term form local entities. Price offers shall be accepted in manats. Other conditions shall not be accepted.**

**For technical questions please contact :**

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Due diligence shall be performed in accordance with the Procurement Guidelines of ASCO prior to the conclusion of the purchase agreement with the winner of the bidding.

 The company shall enter through this link http: //asco.az/sirket/satinalmalar/podratcilarin-elektron-muraciet-formasi// to complete the special form or submit the following documents:

* Articles of Association of the company (all amendments and changes including)
* An extract from state registry of commercial legal entities (such extract to be issued not later than last 1 month)
* Information on the founder in case if the founder of the company is a legal entity
* Certificate of Tax Payer`s Identification Number
* Audited accounting balance sheet or tax declaration (depending on the taxation system) / reference issued by taxation bodies on non-existence of debts for tax
* Identification card of the legal representative
* Licenses necessary for provision of the relevant services / works (if any)

No agreement of purchase shall be concluded with the company which did not present the above-mentioned documents or failed to be assessed positively as a result of the due diligence performed and shall be excluded from the bidding!