

## A demand form for equipment for water supply and sewage systems

1. Special vehicles (trucks - tanks, cranes, trucks with drinking water, excavators)

Device name	Charakteristic
Truck crane 18-25 t	<p>6x4, 6x6 wheel axle arrangements                      Maximum permissible load (not less than) 18.0 t                      Range at maximum load capacity, (not less than) 3.0 m                      Lifting height (not less than) 20 m                      Hook lowering depth (not less than) 12 m                      Rotation range (degrees) 0-360</p>
Cooling water truck.	<p>Potable water capacity of 10 m<sup>3</sup>.                      Standard Edition:                      - inner wall thickness - 4 mm, material stainless steel for contact with food;                      - insulation - 50 mm thick polyurethane (poured between the inner wall and the sheathing);                      - sheathing - stainless steel, thickness 1.5 mm;                      - subframe - stainless steel;                      - Webasto autonomous heating for transporting drinking water at low temperatures;                      - culture pipeline for simultaneous use of up to five taps.                      Car chassis with a diesel combustion engine, number of axles 2, axle diagram 4x2.</p>
Excavator (additional equipment can be specified separately if connectable)	<p>4x4, 4x2 or track axle systems                      bucket volume - not less than 0.2 cubic meters                      digging depth - not less than 2.8 m - can be supplemented with additional equipment - hydraulic hammer, chisel, compactor, etc.</p>

Truck - tanker	Tank capacity - not less than 6 m <sup>3</sup> Pumping depth, not less than 8 m Vacuum pump capacity - not less than 700 m <sup>3</sup> / h 4x4, 4x2 wheel axle systems Cabin - min driver + 2 people.
Trolley	4x4, 4x2 wheel axle systems Load capacity not less than 6 t - tipper bodywork with 3-way unloading (recommended)
Car jack	4x4, 4x2 wheel axle systems Lifting height, (not less) 15 m rotation angle (degrees) 0-360
Truck crane in motion	4x4, 4x2 wheel axle systems Loading capacity, not less than 6 tons

2. Emergency power equipment  
(generators, stationary power plants)

Device name	Charakteristic
Portable power plant for 10, 20, 30, 45, 60, 70	Output voltage, B - 380 V three-phase Start type - Electric starter Execution - closed (hood) Cooling method - Liquid Scope of application - industrial Installation type - on the chassis
Portable power plant up to 90, 150 kW (specify the required power)	Output voltage, B - 380 V three-phase Start type - Electric starter Execution - closed (hood) Cooling method - Liquid Scope of application - industrial Installation type - on the chassis

Stationary power plant from 30 to 70 kW (specify the required power)	Output voltage, B - 380 V three-phase Start type - Electric starter Execution - closed (hood) Cooling method - Liquid Scope of application - industrial Installation type - on the chassis
Stationary power plant from 75-370 kW (specify the required power)	Output voltage, B - 380 V three-phase Start type - Electric starter Execution - closed (hood) Cooling method - Liquid Scope of application - industrial Installation type - on the chassis
Stationary power plant above 375 kW (specify the required power)	Output voltage, B - 380 V three-phase Start type - Electric starter Execution - closed (hood) Cooling method - Liquid Scope of application - industrial Installation type - on the chassis
Combustion engine generators (petrol or diesel). Power from 10 to 70 kW Voltage 220V and 380V (specify the required power)	Output voltage, V-universal (220/380 V) Type of starting - Electric starter Cooling-liquid method Scope of application - industrial Execution - open / closed Type of sockets not less than 2x16A (220), 1x16A (380) Type of installation On a chassis from 12 kW to 12 kW - portable
Frequency converters of appropriate power (specify the required power)	Rated inverter supply voltage - 3F 380 ... 480 V - 15 ... 10% Nominal supply frequency - 50 ... 60 Hz - 5 ... 5% Operation at core temperature -10... 40 ° C without deterioration of properties Номінальна частота живлення - 50 ... 60 Hz - 5 ... 5% Operation at core temperature -10... 40 ° C without deterioration of properties

3. Equipment for pumping clean water and sewage (combustion or electric pumps, submersible pumps for sewage, others)

Device name	Charakteristic
Complex mobile pumping stations for pumping dirty water from 20 m <sup>3</sup> / h (specify the required flow rate and	On the chassis
Electric submersible pump for faeces (specify required flow rate and pressure)	10-200 cubic meters per hour with a pressure hose (25 m)
Pumps with a diesel engine (or electric pumps complete with a generator up to 10	from 20 - 300 m <sup>3</sup> / h complete with corrugated suction hose (10 m) and pressure hose (20 m)
Autonomous pumps (pumping stations) for pumping drinking water and wastewater with an internal combustion	Capacity from 40 to 100 m <sup>3</sup> per hour on the chassis
Electric submersible pump for clean water	8-25 m <sup>3</sup> / h with a pressure hose (20 m) and a power cable not less than 25 m long
Electric submersible pump for clean water	100 m <sup>3</sup> / h with a hydraulic drive of high pressure from a hydraulic station with a set of double hydraulic hoses (15 m) and pressure hoses for water (20 m)
Single-phase pump unit for sewage drainage	min Q = 12 m <sup>3</sup> / h H = 16m (complete with autonomous power supply from a generator with a minimum capacity of 7.5 kW)

4. MATERIALS FOR THE LIQUIDATION OF emergency situations (clamps, flange adapters for connecting pipelines, shut-off valves, check valves)

Device name	Charakteristic
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<p>Stainless steel repair collar for pipes</p>	<p>Collet DU-60 for DU-600 a. 60-67 L200 mm  b. 75-85 L200 mm  c. 75-85 L300 mm  d. 88-98 L200 mm  e. 88-98 L300 mm  f. 108-118 L200 mm  g. 108-118 L300 mm  h. 115-128 L200 mm  i. 115-128 L300 mm  j. 159-172 L200 mm  k. 159-172 L300 mm  l. 168-182 L200 mm  m. 168-182 L300 mm  n. 217-229 L200 mm  o. 217-229 L300 mm  p. 243-260 L200 mm  q. 243-260 L300 mm  r. 323-336 L200 mm  s. 323-336 L300 mm  t. 410-432 L300 mm  u. 410-432 L400 mm  v. 410-432 L500 mm  w. 510-540 L300 mm  x. 510-540 L400 mm  y. 510-540 L500 mm  z. 600-620 L500 mm    aa.630-650 L500 mm</p>
<p>Flange adapter for PE and PVC pipes</p>	<p>1) D 50/50,  2)D50/63,3)D65/63,4)D65/75,5)D80/90,6)D80/75,7)D100/90,8)D100/110,9)D125/125,10)D125/140,11)  D150/160,12)D150/180,13)D200/200,14)D200/225,15)D200/250,16)D250/250,17)D250/280,18)D300/3  15,19)D300/355,20)D400/400,21)D400/455,22)D500/500,23)D500/560,24)D600/630</p>

Flange adapter for steel, cast iron pipes	a. 59-72 b. 72-85 c. 88-103 d. 109-128 e. 159-182 f. 218-235 g. 272-289 h. 315-332 i. 400-429 j. 526-546
Drainage ball valve Du50-600 (specify required diameter and working pressure)	<input type="checkbox"/> for use in drainage systems. <input type="checkbox"/> valve body - foldable. <input type="checkbox"/> flange connection according to EN 1092-2 <input type="checkbox"/> distance between flanges according to EN 558 <input type="checkbox"/> pressure: PN10-16. <input type="checkbox"/> layer: aluminum + EPDM albo NBR. <input type="checkbox"/> cover gasket - EPDM ring.
Clamp with rubberized wedge Du50-800 (specify required diameter and working pressure)	scope of application - water supply - with a non-retractable stick - clockwise closing - tightness class A (0% leakage). - maximum working pressure 10-25 atm. (specify if necessary) - manual drive
Rotary shutter - biaxial flange with a reducer D 100-2500 mm, working	for use in water supply systems, cast iron housing, flange connection according to EN 1092-2, flange spacing according to EN 558, pressure: PN10-25

Double acting knife gate valve Du50-800 (specify required diameter and working pressure)	<input type="checkbox"/> double-acting gate valve with a non-retractable stem, for use in centralized drainage and sewage systems;; <input type="checkbox"/> tightness class - A (0% leakage); <input type="checkbox"/> flange connection <input type="checkbox"/> maximum working pressure 6-16 atm. (specify if necessary) <input type="checkbox"/> with a flywheel; <input type="checkbox"/> Gate gasket - NBR rubber + asbestos-free stuffing box. <input type="checkbox"/> housing sealing ring - NBR rubber, profiled for the goal, with steel reinforcement or better.
Spring-loaded check valve flange type Du50-600	scope of application - water supply - Working pressure $R_u = 1.0 - 1.6$ MPa - disc gasket - EPDM ring - spring - stainless steel AISI304 - spare AISI304 stainless steel

5. Reagent dosing equipment and a complex for the protection of people in water during the stoppage of a centralized water supply system

Device name	Charakteristic
Reagent pump dispensers	Capacity 3-120 l / h, when consolidated with chemically resistant materials such as EPDM or PTFE or analog
Chlorine dioxide preparation plants (electrolysers)	Capacity on chlorine dioxide from 5 g / hour. up to 1500 g / h and very efficient - up to 12,000 g / h, maximum working pressure up to 8 bar
Mobile water disinfection systems	On a wheeled chassis or mounted in containers. Water capacity from 20 m <sup>3</sup> / h
systems	On a wheeled chassis or mounted in containers. Water capacity 2-4 m <sup>3</sup> / h
Portable water purification systems	Convenient to carry. In a wide range of productivity

6. Labor protection (walkie-talkies, gas masks, special clothing)

Device name	Charakteristic
Industrial mask complete with filter box	It is possible to complete the set with a general-purpose box
Insulating gas mask	(U and P)

Portable (autonomous) fan for blowing	WSP-500
Universal seat belt with shoulder straps	PL-1
Combined combination belt	PLK4
A rescue tape (cord, rope) with a length of 12 m with carabiners	
Chemical protection suit against harsh chemicals (especially chlorine)	
Diving suit	(analog to L-1)
The cover is protective for the electric	
Dielectric gloves	
Transparent industrial goggles	
Gas analyzer for detecting gases in deep chambers / wells (detection of ammonia, hydrogen sulphide, carbon monoxide)	
Powder fire extinguisher	(WP-1, WP-2, WP-5)
Carbon dioxide fire extinguisher	
Special fire rescuer clothing, helmet.	
Walkie-talkies for staff	Radius up to 10 km.

7. Auxiliary electrical devices (cable connectors, electric cables, switches)

Device name	Charakteristic
Electric transformer	10/04 kw. 250-630 kVA
KNTi-1i KVTi-1 low voltage trailer	50 ÷ 70, 70 ÷ 120, 150 ÷ 240 with connectors
Low voltage STk-1 connecting connectors	35 ÷ 50, 50 ÷ 70, 70 ÷ 120, 150 ÷ 240 with connectors
High voltage trailer couplings KNTi-10i	50 ÷ 70, 70 ÷ 120, 150 ÷ 240 with connectors
High voltage STk-10 connecting	50 ÷ 70, 70 ÷ 120, 150 ÷ 240 with connectors
Cable	ASB 3x70, ASB 3x120, ASB 3x150, ASB 3x185, KG 3*35-1*16
Smm2, AL bushings.	50, 70, 120, 185
Tip Smm2, AL.	50, 70, 120, 185



LED street lamps	LED
Automatic switch off	3P on DIN rail 3p 25 speakers, 3P on DIN rail 3p 32 speakers, 3P on DIN rail 3p 40 speakers, 3P on DIN rail 3p 50 speakers, 3P on DIN rail 3p 63 speakers, 3P enclosure, 400V, 100A, 3P enclosure , 400B, 200 A, casing 3P, 400B, 250 A, casing 3P, 400B, 400 A, casing 3P, 400B, 630 A

8. Spare parts for vehicles (tires, batteries)

Device name	Charakteristic
Tires	260 *508, 320 *508 280 *508,
Batteries	75, 100, 160, 200 A

9. Manual and auxiliary equipment

Device name	Charakteristic
Welding inverter	
Locksmith tools	
Hammer drill	
Welder for thermistor welding of	
Pipe cutters	PE pipes with a diameter of 50-160 mm
Pneumatic hammer	power 45 kJ
Pneumatic hammer	power up to 20 kJ

Contact person: N I P; telephone number,  
e-mail address