**Terms of reference for the purchase of a vacuum/sewage vehicle.**

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| **#** | **Parameters of the requirements for the purchased Goods** | **Specific requirements for Goods** |
| 1 | Title and quantity | Vacuum/sewage truck (hereinafter referred to as sewage truck) in the amount of 3 units. |
| 2 | Place of delivery of Goods | Kyrgyz Republic, Balykchy town, 9 Naryn Highway St. |
| 3 | Terms (periods) of delivery of goods | No more than 90 calendar days from the date of conclusion of the contract. |
| 4 | Requirements for the Goods supplied | 1. Being supplied sewage trucks must be new, unused, certified, or declared, fully comply with quality standards, certificate of conformity, Manufacturer’s technical passport, or Manufacturer’s technical specification. The Goods must not be pledged, arrested, must be released from the rights of third parties. 2. Being supplied sewage machines must be produced in compliance with the requirements of regulatory documents (standards, technical specifications, quality certificates approved in accordance with the established procedure for this type of goods, etc.) in the conditions of their serial production. 3. Being supplied sewage trucks shall comply with the functional, technical, and quality characteristics (operational characteristics) of the procurement object specified in this section. 4. It is used on dirt and mountain roads at an altitude of over 4000 m above sea level, at temperatures range from -40 °C to +40 °C. 5. Technical characteristics of the tank of sewage trucks:  * Wheel arrangement - **6x6** * Nominal capacity of 15,000 liters. * Upper and lower tank loading. * Material: anti-corrosion coated steel or stainless steel to prevent corrosion * Insulation: if possible, thermal insulation of the tank to prevent water from freezing at low temperatures. * Heating system: tanks should be equipped with heating to prevent water from freezing in winter (down to -40°C). * Technological crane for pipeline system operation. * Hatches: the presence of hatches for easy filling and maintenance. * Drain and head system: drain system with quick connection for hoses of different diameters. * Availability of tank lifting option. * The depth of the pit to be cleaned is at least 6 meters. * Vacuum pump with a capacity of at least 400 cubic meters per hour, reversible for operation in both directions. * The presence of a pump for supplying water under pressure for refueling.  1. Chassis specifications are in Appendix 1. |
| 5 | Procedure for delivery and acceptance of Goods. | 1. When supplying sewage trucks, the Supplier must provide: originals or duly certified copies of valid certificates of conformity and declarations of conformity to the requirements of regulatory documents for the goods supplied in the territory of the Kyrgyz Republic / EAEU.  2. After commissioning, during the warranty period, the sewage machines and equipment are evaluated. The characteristic must correspond to the factory indicators.  3. In case of non-compliance with our requirements, the Supplier assumes all costs for their elimination.  4. All costs for additional work identified during the inspection of the equipment are borne by the supplier. |
| 6 | Requirements for the transfer of technical and other documents for the Goods to the Customer. | 1. The Supplier is obliged to hand over to the Customer the consignment note, invoice, as well as the original or a duly certified copy of the vehicle type approval, other documents: service book, vehicle passport, documents certifying the ownership of the vehicle and serving as the basis for its state registration, documents confirming the provision of the Manufacturer’s or Supplier’s quality guarantee, instructions (manual) for operation. 2. All necessary user manuals and technical documentation must be included in the set and are not allowed in the form of copies. |
| 7 | Warranty | 1. Vehicle warranty: at least 2 years or 100,000 km. 2. Warranty for tank and pumping equipment: at least 2 years. |

Appendix 1

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| **Options** | **Meaning** |
| **Universal characteristics** |  |
| New vehicle (hereinafter referred to as the vehicle) | Year of manufacture: no earlier than 2023 |
| **Engine** |  |
| Type | diesel |
| Power, not less than (hp) | **430** |
| Exhaust Gas Emission Level (Emission Class) | not lower than EURO-3 |
| Electronic speed limiter | not more than 89 km/h |
| Air intake (with filter dryer, without dryer filter) | Multicyclone air cleaner with a preliminary stage of dust and water cleaning, without a dehumidifier |
| **Chassis** |  |
| Wheel arrangement | 6x6 |
| Front suspension | Spring |
| Rear suspension | spring-balanced |
| Front and rear fenders, mudguards, axle splash protection covers | Yes |
| Underrun protection barriers | Yes, side barriers |
| Tires | **14.00 R20** |
| Zinc coating | Double-pitched/ Single-pitched |
| **Gearbox** |  |
| Type | Mechanical |
| Axle differential lock | Yes |
| Presence of power take-off shaft (PTO) | Yes |
| **Brake system** |  |
| Type | pneumatic, with drum-type brakes |
| Motor retarder | Yes |
| ABS Anti-lock Braking System | Yes |
| Parking brake, parking brake chamber lock valve | Yes |
| **Fuel system** |  |
| Fuel tank with a capacity of | 300 l and above |
| Lockable fuel cap | Yes |
| Fuel filter with water separator and heating | Yes |
| **Electrical equipment** |  |
| Voltage in the electrical equipment system | 24 in |
| Accumulator | 2 pcs of 190 Ah |
| Alternator not less than 70A | Yes |
| Headlights (near and far) and fog lights | Yes |
| Reversing lights and fog lamp | Yes |
| Front and rear position lights | Yes |
| Horn (pneumatic/electric) | Yes |
| Automatic audible signal when reversing | Yes |
| **Interior equipment of the cab** |  |
| Interior cabin lighting, basic version | Yes |
| Air suspension driver's seat | Yes |
| Three-point seat belts for the driver and passengers, with sensors for the unfastened seat belt in the seat belt lock. | Yes |
| Left-hand steering with hydro/electric power steering | Yes, with power steering |
| Adjustable steering wheel for reach and tilt | Yes |
| Independent heater (heater type: independent cab and engine heater / autonomous cab heater / engine block heater). | Internal combustion engine preheater with the function of an independent cabin cabin heater of the 14TS-10 type (analogues are being considered). Heating element at 220V |
| Air conditioner | - |
| Headlamp level corrector | Yes |
| **Cab exterior equipment** |  |
| Cab Suspension (Pneumatic / Spring / Semi-Pneumatic / Rigid) | Semi-pneumatic suspension |
| The windshield is triplex, all other windows in the driver's cab are made of tempered trauma-proof glass | Yes |
| **Equipped with** |  |
| Hydraulic jack. | With a lifting capacity of at least 20 tons |
| Tire Inflator Hose – 20 m | Yes |
| Spare wheel with rim, identical to those installed on the steering axle | Yes |