**Introduction**

“Georgian Water and Power” (GWP) is a leading company on the water supply market of Georgia and South Caucasus. The company provides high quality service to the population of Tbilisi, as well as to state organizations, industrial and commercial objects. GWP became a part of Aqualia S.A in 2022, the Spanish company that operates in water supply market in 18 countries worldwide.

GWP’s more than 3000 company employees ensure delivering water and wastewater services to Tbilisi residents. Georgian Water and Power serves about 507 432 customers throughout the city Including - Residential 477 762; Nonresidential 29 670.

**Scope of good and services**

GWP has intention to integrate the respective system for examining the existing information collection equipment (water meters). For this purpose, GWP are seeking for the qualified company which is able to provide the water meters’ test benches with the following technical specification:

* Bench for meters from 15 mm up to 50 mm
* 2 lines of 10 x 15 mm meters. For all other diameters, the maximum capacity (4+4 in DN 50 mm). Both lines should have the options of working at the same time.
* Gravimetric bench
* Minimum flow rate, as low as possible
* Maximum flow rate, DN 50mm **Q4= 35 cubic meters per hour**
* Water recirculation
* Manual and automatic reading (optical, etc.)
* Automatic management software- (automatic bench has it)
* Scheduling of specific flows (legal aside)-the system should allow us any flow we want

Besides test benches, GWP is going to have the full package of the service related to delivery, installation, commissioning and support in accreditation of the procured items.

**During elaboration of technical proposal bidder should submit detailed information about the proposed goods and services. The information about the technical data should include (but not limited) the following information:**

|  |  |
| --- | --- |
| **Items** | **Detailed Description** |
| Compliance |  |
| Lines. Number. Working at same time |  |
| Capacity DN 15 |  |
| Capacity DN 20 |  |
| Capacity DN 25 |  |
| Capacity DN 32 |  |
| Capacity DN 40 |  |
| Capacity DN 50 |  |
| Maximum flow rate, M3/h |  |
| Minimum flow rate, l/h |  |
| Flow reading error |  |
| Highest water pressure |  |
| Water temperature |  |
| Vacuum system |  |
| Materials of Fitting |  |
| Test methods (automatic, manual, etc.) |  |
| Automatic reading (camera, laser, opto sensors, …) |  |
| Rotation of meters |  |
| Dimensions L x W x H |  |
| Electricity requirements (power, amperage, …) |  |
| Scales |  |
| Reservoirs. Number and capacity. |  |
| Water recirculation |  |
| Pumps. Number and power |  |
| MID flowmeters  |  |
| Compressor |  |
| Filtration |  |
| Lifetime years |  |
| PC and Software |  |
| Uncertainty calculation integrated in the application program and in the test results.  |  |
| Documentation and ready for external auditories in order to get laboratory accreditation |  |
| Certification for all the metrological sensors and other types of certificates |  |
| Remote assistance if applicable |  |
| Packing |  |
| Installation |  |
| Commissioning |  |
| Warranty conditions |  |
| Delivery conditions |  |
| Training on site |  |
| Term of execution |  |
| Requirements from Client’s side  |  |
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