

Procurement name: PURCHASE OF MEASURING AND DETECTION EQUIPMENT

Company name (enter):

I learned about the procedure
(cross out):

☐	Through the Client's website
☐	By email/phone call from a representative of the Ordering Party
☐	Through a partner company, media, web portals, social and other networks, etc.
☐	Other (specify):

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Bidder (signature):

Date:

A General qualifications of the company		
A.1	have experience, I have already delivered the same or similar goods/equipment in the previous period (enter):	Enter company (Yes/No)
A.2	I am registered in RS/BiH (enter):	Enter company (Yes/No)
A.3	I am the official agent/representative/supplier of requested foreign/imported goods and equipment (enter):	Enter company (Yes/No)
A.4	Technical support: telephone/online technical support during the warranty period:	Enter company (Yes/No)
A.5	Company registration according to the type of procurement:	Enter company (Yes/No)
A.6	The company is in bankruptcy, liquidation, has a recent history of litigation (including with the Client), arbitration, is blacklisted by domestic institutions or IFIs, etc. (as in the Integrity Statement):	Enter company (Yes/No)
A.7	Average annual turnover of the company in the last year:	Company entries (KM including VAT)

B Technical suitability		
B.1	Conformity of goods with specifications/description	Company entries
	Full match (according to the description of the goods)	100%
	Partial match (equivalent equipment)	≥ 50%
	It doesn't match to any significant extent	< 50%
	We do not deliver the requested goods	0%

C Deadlines	
C.1	Delivery time of goods
	Entered by company (number of days)

D Financial eligibility	
D.1	Indicative price of goods
	Company entries (KM including VAT)
1.	Water pressure and flow meter
2.	Automatic water leak detection logger
3.	Ultrasonic flow meter
4.	Geophone

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Bidder (signature):

Date:

BRIEF DESCRIPTION OF GOODS TO BE PROCURED

1. Water pressure and flow meter

Uređaj mora ispunjavati sljedeće minimalne performanse:

Montaža pod pritiskom bez prekida vodosnabdijevanja

Mjerenje protoka:

Princip mjerenja: Magnetna indukativna

Tačnost: ± 1 % pune skale

Rezolucija: 0,001 m/s

Opseg brzina: 0,01...9,99 m/s

Dvosmjerno mjerenje protoka

Stabilnost mjerenja: $< 0,25$ % FS

Minimalna provodljivost vode $\geq 50 \mu\text{S}$

Mjerenje pritiska:

Princip mjerenja: Tehnologija piezo otporne keramike

Membrana: Keramika

Raspon mjerenja: 0–16 bara

Tačnost: tip. $\leq 0,25$ % FS

Prekoračenje bez oštećenja: do 30 bara

Rezolucija: 0,01 bar

Mjerenje šuma:

Princip mjerenja: Piezo električno-polimerni senzor

Pojačanje: 5000

Frekvencijski opseg: 8–3500 Hz

Izlazni: Digitalni

Komunikacija i podaci:

Interfejs senzora: RS232, 4-20mA, Modbus

Interval mjerenja: 1 s (od 1 sekunde do 1 sat)

Interval skladištenja: 1 minuta (od 1 sekunde do 1 sata)

Veličina memorije: do 1 000 000 vrijednosti

Izlaz podataka: RS232, 4-20 mA, Modbus (RTU/ASCII)

Prenos podataka: Kablovski, GPRS, analogni, Ethernet, LWL, 4-20mA

Sigurnost podataka: SSL/TLS 1.2

GSM/GPRS modem integrisan

2. Automatic water leak detection logger

Uređaji moraju ispunjavati sljedeće minimalne performanse:

Akustičke performanse:

Frekvencijski opseg: 1–3500 Hz

Visoka osjetljivost akustičnog senzora

24/7 kontinuirani rad

Glavno mjerenje u periodu minimalne potrošnje: 02:00–04:00

Snimanje audio zapisa (min. 56 s po ciklusu)

LNI (Leak Noise Index) analiza – obavezna

Korelacija i detekcija:

Mogućnost precizne korelacije između više logera

Automatska detekcija anomalija (nagli porasti šuma)

Visoka tačnost lociranja curenja u urbanim i mješovitim zonama

Napajanje:

Baterije litijumskog tipa (AA L91 ili ekvivalent)

Autonomija ≥ 4 godine (standardni režim rada)

Komunikacija:

NB-IoT, LTE-M, 4G/3G/2G (zavisno od verzije)

Automatsko slanje podataka na server

OTA/FOTA – daljinsko ažuriranje firmware-a

Softver:

Web platforma dostupna 24/7

GIS prikaz logera

Automatski alarmni sistemi (SMS/e-mail/GPRS)

Radni uslovi:

Zaštita: IP68 – dugoročno potapanje

Rad: $-10\text{ }^{\circ}\text{C}$ do $+60\text{ }^{\circ}\text{C}$

Potpuna otpornost na vibracije i udare

3.Ultrasonic flow meter

Uređaji moraja ispunjavati sljedeće minimalne performanse:

Medij: voda

Kućište: Polipropilen (PP)

Displej transmitera: 2x16 karakera

Meni jezik: Engleski

Zaštita transmiter: min. IP67

Zaštita sonde: IP68

Mjerne performanse:

Mjerni princip: transit-time

Tačnost: min. $\pm 2\%$ od očitavanja $\pm 0,01$ m/s

Ponovljivost: $\leq 0,25\%$

Dužina kabla sonde: min. 6 m

Frekvencija sonde: 2 MHz

Raspon brzina protoka: 0,01–25 m/s

Radni opseg:

Ponuđena sonda za prečnike cijevi: od DN 40 do DN 1100 mm

Materijal mjernih cijevi: Svi

Radna temperatura transmitera: $-10^{\circ}\dots +50^{\circ}\text{C}$

Radna temperatura sonde na cijevima: $-40^{\circ}\dots +100^{\circ}\text{C}$

Napajanje:

Jedinica za napajanje: 100...230 V/50...60 Hz

Integrisana baterija

Vrijeme rada baterije-kontinuirano mjerenje: > 48 h

Prenos podataka:

Integrisani data logger

Broj zapisa: > 100.000 mjernih vrijednosti

Mogućnost prenosa preko USB/SD/digitalnih portova

Montažna oprema:

Pribor za montažu sonde: lanac ili zatezni remen

4. Geophone

Uređaji moraju ispunjavati sljedeće minimalne performanse:

Kućište: ABS PA, otporno na udarce

Zaštita: min. IP54

Vlažnost: 0-99% RH

Radna temperatura: -15 °C do +65 °C

Akustičke performanse:

Frekvencijski odziv: 20–8000 Hz

Funkcija filtera: Mogućnost uključenja/isključenja filtera za audio signal,

Pozicija visokog i niskog prolaza može se podešavati

Audio prenos: Bluetooth 2.1 bežična tehnologija bez smetnji

Detekcija i analiza:

Mogućnost detekcije curenja na asfaltu, betonu i zemlji

Jasna reprodukcija zvuka uz minimalne šumove okoline, pogodan za gradsku-urbanu sredinu

Napajanje i rad:

Ručni uređaj: 4x1,5 V alkalne ili 1,2 V NiMH

Bluetooth slušalice: Interna punjiva baterija (putem USB priključka)

Vreme rada: Ručni uređaj do 50 sati

Slušalice do 30 sati

Integrity statement (authorized company representative)

Integrity Statement We represent and warrant that neither we nor anyone, including any of our directors, employees, agents, joint venture partners, consultants or subcontractors, where any, acting on our behalf with due authority or with our knowledge or consent, or with our mediation, has engaged in, and will engage in, any Prohibited Practice (as defined below) in connection with the selection process or the performance or delivery of any subject goods or services, and we undertake to notify you if any instance of such Prohibited Practice comes to the attention of any person within our organization who is responsible for ensuring compliance with this Declaration. During the duration of the market research selection process and/or for the duration of the Agreement (if any), we will appoint and maintain in office an officer who will be a person reasonably satisfactory to you and to whom you will have full and immediate access, who has the duty and necessary authority to ensure compliance with this Declaration. We represent and warrant that, except for the matters disclosed in this Declaration: i. we, our subsidiaries and affiliates, and all of our directors, employees, agents, or joint venture partners, where applicable, have not been convicted in any court of any criminal offense involving a Prohibited Practice in connection with any tender or competitive selection process or the provision of works, goods, or services during the five years immediately preceding the date of this Agreement; ii. none of our directors, employees, agents, or joint venture partners, where applicable, has been dismissed or resigned from any position for engaging in any Prohibited Practice; iii. we, our subsidiaries and affiliates, and our directors, employees, agents, or joint venture partners, where applicable, have not been prohibited from participating in a tender or competitive selection process because a final judgment of a court proceeding or a finding of an enforcement mechanism (or similar) of another international organization has determined that we have engaged in a Prohibited Practice; iv. we, our subsidiaries and affiliates, and all subcontractors, suppliers or affiliates of subcontractors or suppliers are not subject to any sanctions imposed by a resolution of the United Nations Security Council. We further declare and confirm that: 1. No Client or any member thereof is participating in our Preliminary Offer for the purpose of market research in any capacity. 2. We are not bankrupt or insolvent, are not in the process of being wound up, are not under judicial administration, have not entered into an arrangement with our creditors, have not suspended business activity, are not the subject of any proceedings relating to any of the matters referred to in this paragraph or in any analogous situation arising from similar proceedings provided for by national laws or regulations. 3. If we are shortlisted, we will treat all information provided by the Client to us as confidential. 4. We understand that if the circumstances relating to this Consultant's Statement change or new information becomes available before the assignment is awarded, we are obliged to promptly inform the Client of such information.

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The statement was made by:

Function:

Date: