

# SUPPLIER INFORMATION SHEET

## TREEIB® Solutions for Tender Items 4.116, 4.117 and 4.118

Vilnius tender: "Želdinių augančių ne miško žemėje priežiūra"

Procurement ID: 7080724

LEDASCO s.r.o. manufactures TREEIB®, a patented professional irrigation system for mature and established urban trees.

### Tender item mapping

- **4.116 Vandens laistymo maišai (nuo 70L)** – Custom 70L printed watering bags
- **4.117 Vandens laistymo rezervuarai (nuo 400L)** – TREEIB City
- **4.118 Vandens laistymo rezervuarai (nuo 1000L)** – TREEIB 1500

### Technical compliance summary

TREEIB® City and TREEIB® 1500 correspond to the functional requirements of tender items **4.117** and **4.118** as purpose-built surface irrigation reservoirs for mature urban trees.

They meet the core functional requirements of the tender: large water capacity, surface placement, slow watering, gradual and even infiltration into the soil, water delivery at or near the canopy edge / drip line, filling with a water hose, mechanical and weather resistance, suitability for public urban environments, and optional municipal branding, including the inscription "**Vilnius laisto medžius**".

Two wording points in the tender require technical clarification: **drip-rate adjustment** and **use on slopes up to 30°**. These points are explained below.

For item **4.116**, LEDASCO can supply custom 70L printed watering bags according to the tender specification, subject to final quality, technical and cost agreement with the contractor.

### Drip-rate regulation

#### Tender requirement:

For items **4.117** and **4.118**, the tender describes that, after filling the reservoir with water, the water dripping rate is adjusted.

#### TREEIB® technical response:

TREEIB® fulfils the same functional requirement through a more robust technical principle. TREEIB® does not rely on an external valve, tap, drip emitter or manually tuned component that has to be adjusted after each filling. Such components may be damaged, clogged, misadjusted, vandalised or incorrectly operated in public-space municipal use.

Instead, TREEIB® controls the water release rate through calibrated outlet geometry, bag design and site conditions. This provides predictable slow release, supports even infiltration into the soil and reduces operator error. The system has been field-tested since 2017 with excellent practical results. The outlets are simple, robust and cleanable if needed.

**Supplier note:**

Repeated manual drip-rate adjustment after each filling is not technically necessary when the irrigation reservoir is correctly designed. TREEIB® provides a safer, more durable and lower-maintenance solution than manually adjusted external valves or drip components.

## Use on slopes

**Tender requirement:**

The tender mentions use on slopes not steeper than **30°**.

**TREEIB® technical response:**

TREEIB® standard specifications document slope use up to **20°**. TREEIB® has also been practically used on slopes of approximately **25°** under suitable site conditions. For steeper sites, LEDASCO can provide installation guidance, anchoring options and site-specific recommendations.

**Supplier note:**

Contractors should assess each location according to safety, surface type, slope angle, filling volume, anchoring possibilities and public-space conditions. For slopes approaching **30°**, additional stabilization or partial filling may be required. This is particularly important for large-volume reservoirs used in public urban environments.

## Item 4.116 – Vandens laistymo maišai (nuo 70L)

For item **4.116**, LEDASCO can supply custom **70L printed watering bags** according to the tender specification.

These bags will be produced on a bespoke basis, subject to final quality, technical and cost agreement with the contractor. Production capacity has been reserved for this item.

The bags will be manufactured by an experienced production partner that has supplied watering bags distributed by LEDASCO in Central Europe. Approximately **55,000 watering bags** of this type have been sold in Central Europe through our distribution channel:

<https://obchod.zavlazovacivaky.cz/>

LEDASCO can coordinate specification, production, printing, delivery and contractor support for this item.

## Contact

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## Local support

A local representative is available for Lithuanian contractors and implementation teams.

## IP note

TREEIB® is a registered trademark and patented technology. Valid patent protection includes **EP3809823B1**.