INVITATION TO BID No. 1100201695

CLARIFICATION NOTICE No. 1

Kindly note below additional information with regard to the invitation to bid 1100201695:

**Question 1:** LOT 9 - will you use master Ubbelohdes (with up to 60 cm length (ASTM D2162) or normal viscometers (up to 29 cm) conform ISO 3105, IP71, ASTM D445/6 ?

**Answer 1:** It is expected that Normal viscometers (for up to the 29 cm Ubbelohde glass capillary tubes) will be delivered with all integrated electronics fulfilling the specified metrological parameters according to OIML R 069 (metrological requirements) ([www.oiml.org](http://www.oiml.org)) with min. 2 openings with lids.

**Question 2:** LOT 9 - do you require bath liquid for the bath, viscosity accessories like holders, timer, reference fluids, etc.

**Answer 2:** The below accessories are expected to deliver:
  a) set of glass capillary tubes, produced according to ASTM D 446 and IP 71 for the defined measuring range and equipped with measuring heads and electronic detection system
  b) holders equipped with measuring heads and electronic detection timing system,
  c) bath liquid (other than water) for high measuring temperatures
  d) certified reference materials for the calibration points within the measuring range with valid certificates.
  e) other accessories such as PC software for data treatment, cleaning fluids, etc.

**Question 3:** LOTs 15 and 17: What would be the application? Which type and size of material and specimens will be tested?

**Answer 3:** The application is specified in "Primary propose". Specifically,

**Question 4:** LOT 15
The equipment will be used to provide calibration of the pressure instruments/measurement standards as: high accuracy pressure gauges, pressure sensors, pressure gauges with output signal, pressure calibrators, pressure controllers, etc.
Question 5: Regarding LOT 17
The equipment will be used to provide calibration of the material testing machines - tensile and compression - including concrete testing presses.

The laboratory could apply measurement methods documented in the below standards:

• ISO 7500-1:2018: Metallic materials - Calibration and verification of static uniaxial testing machines -Part 1: Tension/compression testing machines - Calibration and verification of the force-measuring system;


Best regards,

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