

## **ANNEX II + III: TECHNICAL SPECIFICATIONS + TECHNICAL OFFER**

**Contract title: Supply of AEROSOL PARTICLE SIZER/SPECTROPHOTOMETER**

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**Column 1-2 should be completed by the Contracting Authority**

**Column 3-4 should be completed by the tenderer**

**Column 5 is reserved for the evaluation committee**

Annex III - the Contractor's technical offer

The tenderers are requested to complete the template on the next pages:

- Column 2 is completed by the Contracting Authority shows the required specifications (not to be modified by the tenderer),
- Column 3 is to be filled in by the tenderer and must detail what is offered (for example the words “compliant” or “yes” are not sufficient)
- Column 4 allows the tenderer to make comments on its proposed supply and to make eventual references to the documentation

The eventual documentation supplied should clearly indicate (highlight, mark) the models offered and the options included, if any, so that the evaluators can see the exact configuration. Offers that do not permit to identify precisely the models and the specifications may be rejected by the evaluation committee.

The offer must be clear enough to allow the evaluators to make an easy comparison between the requested specifications and the offered specifications.

The technical offer must include training for Contracting Authority personnel, also must be included in the financial offer.

1. Item Number	2. Specifications Required	3. Specifications Offered	4. Notes, remarks, ref to documentation	5. Evaluation Committee's notes
1	<p>Item name: <b>AEROSOL PARTICLE SIZER SPECTROMETER</b>  Quantity: 1 unit</p> <p>Principle of operation: light scattering</p> <p>Size channels: minimum 15 size channels with minimum lowest detection range of 300 nm to highest detection range of 20 µm. Size fractions of 1, 2.5, 4 and 10 µm are mandatory to be inside the size channel range</p> <p>Particle concentration: minimum range from 5 to 1 million particles/liter</p> <p>Measure PM values and particle surface [µm<sup>2</sup>/cm<sup>2</sup>]</p> <p>Time resolution for size distribution measurements: min. 10 seconds</p> <p>Operating temperature range: minimum 5 to 40 °C</p> <p>Reproducibility: maximum ±3% (all range)</p> <p>Sample collector: maximum 47 mm</p> <p>Operation in manual and automated mode</p> <p>Communication: RS-232 or USB</p> <p>Analog inputs: minimum 3 in 0 – 10 V range</p> <p>Data output: minimum dust mass and particle count</p> <p>Power supply: 220 VAC and battery operation for minimum 6 hours</p> <p>Software for office and in-field PC communication, data transfer, acquisition and service data</p> <p>Radial sampling head</p> <p>Filter for zero testing</p> <p>Carrying case</p>			