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

**Contract title: Supply of consumables for the purposes of the scientific laboratories of the BLUE GROWTH Research Centre at “Prof. D-r Asen Zlatarov” University of Burgas  
Lot 3: Supply of consumables for the Aquatic Ecosystem Lab p 1 /…**

**Publication reference:** CB005.3.12.001 - LP - Supply 13

**Columns 1-2 should be completed by the contracting authority**

**Columns 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 offeredspecifications.

| **1.**  **Item number** | **2.**  **Specifications required** | **3.**  **Specifications offered** | **4.**  **Notes, remarks,  ref to documentation** | **5.**  **Evaluation committee’s notes** |
| --- | --- | --- | --- | --- |
| **1** | **NMR test tubes – 1 set**  Set of 50 with lids |  |  |  |
| **2** | **Whatman® QM-A quartz filters – 4 sets**  Round, Ø 47mm; size of the pore 2µm.; 100 units in a pack |  |  |  |
| **3** | **Quartz torch – 1 unit**  Suitable for ICP MS model ICAP Q of Thermo Scientific |  |  |  |
| **4** | **Hach Lange Cuvette -DR3900 – 30 units**  For testing Nitrates 0.23-13.5 mg/L NO3-N, 25 tests;  For testing nitrates 0.015- 0.6 mg/L NO2-N, 25 tests  For testing ammonium 0.015-2.0 mg/L NH4-N, 25 tests;  For testing phosphates (Ortho/Total) PO-P 0.05-1.5 mg/L PO-P, 25 tests;  For testing total phosphorus 25 tests;  For testing total nitrogen, 25 tests  For testing TOC 60-735 mg/L C, 25 tests  For testing TIC mg/L , 25 tests  For testing CO2 mg/L , 25 tests |  |  |  |
| **Consumables for analysis of heavy metals in soil, water and biota; radioactivity - ICP apparatus** | | | | |
| **5** | **Burner – 1 unit**  iCAP Q/Qnova Quartz Torch |  |  |  |
| **6** | **Cones – 2 units**  Skimmer iCAP Q/Qnova Ni for Insert |  |  |  |
| **7** | **Cones – 2 units**  SAMPLE CONE 4450 |  |  |  |
| **8** | **Capillaries – 1 unit**  Santoprene Tube-IØ1,295mm-gray/gray |  |  |  |
| **9** | **Capillaries – 1 unit**  Peristaltic Pump Tubing - Ø 0,508 -Orange/Yellow –PVC |  |  |  |
| **10** | **Chamber for pulverization – 1 unit**  Cyclonic Quartz Spraychamber iCAP Q/Qnova Series |  |  |  |
| **11** | **TFM Cover – 15 units** |  |  |  |
| **12** | **High pressure vessel – 15 units**  High pressure vessel 100 ml, full complement, suitable for System for microwave decomposition and extraction Preekem Scientific Instruments Co Ltd - China model M6 (HP-16) |  |  |  |
| **Pesticides analysis - Gas Chromatograph** | | | | |
| **13** | **Columns for Gas Chromatograph – 3 units**  TG-5MS: 30m; I.D. = 0.25mm; Film = 0.25 μm |  |  |  |
| **14** | **Ferrules – 2 units**  Graphite vespel ferrule 0.1-0.25 Pk 10 |  |  |  |
| **15** | **Ferrules – 3 units**  Ferrule Cap Graph 0.38mm ID  Pk 5 |  |  |  |
| **16** | **Liner – 3 units**  Ingection Liner, PTV Buffle liner (2mm x 2.75 x 120, Siltek Deact.) Pk 5 |  |  |  |
| **17** | **Liner – 3 units**  Ingection Liner PTV Siltek Metal, 2x2.75mm IDxOD, 120mm L, Pk 1 |  |  |  |
| **18** | **Liner Sealing Ring for TRACE 1300 Series GC, PTV – 6 units** |  |  |  |
| **19** | **Vacuum pump oil – 2 units**  Edwards UltraGrade 19, 1 L |  |  |  |
| **20** | **Filament TSQ 8000 GC-Triple Quadropole MS – 1 unit** |  |  |  |