# *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 4 Supply of glassware for the analysis of the Water Pollution Monitoring Lab, Aquatic Ecosystems Analysis Lab and Aquaculture and Biotechnology 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** |
| --- | --- | --- | --- | --- |
| **Glassware Water Pollution Monitoring Lab** | | | | |
| **1** | **Petri dishes glass, 80 mm – 10 units** |  |  |  |
| **2** | **Petri dishes glass, 100 mm – 20 units** |  |  |  |
| **3** | **Petri dishes glass, 60 mm – 40 units** |  |  |  |
| **4** | **Dessicator – 2 units**  250 mm, with a valve and a plate |  |  |  |
| **5** | **Erlenmeyer flask – 10 units**  250 ml, wide neck, ISO 24450 |  |  |  |
| **6** | **Erlenmeyer flask – 10 units**  500 ml, wide neck, ISO 24450 |  |  |  |
| **7** | **Erlenmeyer flask – 10 units**  1000 ml, wide neck, ISO 24450 |  |  |  |
| **8** | **Iodine glass-stoperred flask, 500 ml. – 10 units** |  |  |  |
| **9** | **Drexel bottle, 500ml. – 2 units** |  |  |  |
| **10** | **Crystallizer DIN 12 338, 1000 ml. – 2 units** |  |  |  |
| **11** | **Crystallizer DIN 12 339, 1500 ml. – 2 units** |  |  |  |
| **12** | **Universal holder with anti-corrosion coating, 30-50 mm - 5 units** |  |  |  |
| **13** | **Coupling with anti-corrosion coating, 16 mm – 5 units** |  |  |  |
| **14** | **Vacuum pump metal with hollander ¾" – 2 units** |  |  |  |
| **15** | **Gasket – 10 units**  50 ml, measuring, Class А, ISO 1042, DIN 12 664 with cap |  |  |  |
| **16** | **Gasket – 10 units**  100 ml, measuring, Class А, ISO 1042, DIN 12 664 with cap |  |  |  |
| **17** | **Gasket – 10 units**  250 ml, measuring, Class А, ISO 1042, DIN 12 664 with cap |  |  |  |
| **18** | **Gasket – 10 units**  500 ml, measuring, Class А, ISO 1042, DIN 12 664 with cap |  |  |  |
| **19** | **Gasket - measuring /Class А/ ISO 1042, DIN 12 664 with cap – 5 units**  1000 ml, measuring, Class А, ISO 1042, DIN 12 664 with cap |  |  |  |
| **20** | **Magnetic stirrer with teflon coating – 5 units**  6 mm/20 mm |  |  |  |
| **21** | **Magnetic stirrer with teflon coating – 5 units**  6 mm/25 mm |  |  |  |
| **22** | **Magnetic stirrer with teflon coating – 5 units**  6 mm/ 30 mm |  |  |  |
| **23** | **Pipette Mohr Rezila, 2 ml – 2 units** |  |  |  |
| **24** | **Pipette Mohr Rezila, 5 ml. – 2 units** |  |  |  |
| **25** | **Pipette Mohr Rezila, 10 ml. – 2 units** |  |  |  |
| **26** | **Pipette Mohr Rezila, 25 ml. – 2 units** |  |  |  |
| **27** | **Mortar - porcelain with a pestle /glazed/, 300 ml – 2 units** |  |  |  |
| **28** | **Mortar - porcelain with a pestle /glazed/, 500 ml. – 2 units** |  |  |  |
| **29** | **Beher Glass - high shape, 100 ml. – 10 units** |  |  |  |
| **30** | **Beher Glass - high shape, 250 ml. – 10 units** |  |  |  |
| **31** | **Beher Glass - high shape, 400 ml. – 10 units** |  |  |  |
| **32** | **Beher Glass - high shape, 600 ml. – 10 units** |  |  |  |
| **33** | **Beher Glass - high shape, 800 ml. – 10 units** |  |  |  |
| **34** | **Beher Glass - high shape, 1000 ml. – 10 units** |  |  |  |
| **35** | **PVC- reinforced hose (per meter), 8x12 mm – 7 metres** |  |  |  |
| **36** | **PVC- reinforced hose (per meter), 10x14 mm – 7 metres** |  |  |  |
| **37** | **Parafilm – 2 units** |  |  |  |
| **38** | **Tweezers – metal – 5 units**  160 mm straight |  |  |  |
| **39** | **Tweezers – metal – 5 units**  140 mm curved end |  |  |  |
| **40** | **Gloves – 2 units**  nitrile without powder, L |  |  |  |
| **41** | **Pipette tripods – 1 unit**  for 16 pipettes |  |  |  |
| **42** | **Universal tripod with metal plate and rod – 3 units**  150 x 250 |  |  |  |
| **43** | **Funnel - plain, glass, 80 mm – 10 units** |  |  |  |
| **44** | **Funnel - plain, glass, 100 mm – 10 units** |  |  |  |
| **45** | **Funnel - plain, glass, 50 ml. – 10 units** |  |  |  |
| **46** | **Cylinder – 5 units**  **10 ml, measuring, graduated, Class A, high shape with blue graduation** |  |  |  |
| **47** | **Cylinder – 5 units**  **25 ml, measuring, graduated, Class A, high shape with blue graduation** |  |  |  |
| **48** | **Cylinder – 5 units**  **50 ml, measuring, graduated, Class A, high shape with blue graduation** |  |  |  |
| **49** | **Cylinder – 5 units**  **100 ml, measuring, graduated, Class A, high shape with blue graduation** |  |  |  |
| **50** | **Cylinder – 5 units**  **250 ml, measuring, graduated, Class A, high shape with blue graduation** |  |  |  |
| **51** | **Cylinder – 3 units**  **1000 ml, measuring, graduated, Class A, high shape with blue graduation** |  |  |  |
| **52** | **Brushes for cleaning laboratory glassware, 50 mm – 5 units** |  |  |  |
| **53** | **Brushes for cleaning laboratory glassware, 20 mm – 5 units** |  |  |  |
| **54** | **Metal spatula, 150 mm/ 6 mm – 2 units** |  |  |  |
| **55** | **Polypropylene burette holder for 2 pcs. – 1 unit** |  |  |  |
| **56** | **Burette Mohr – 2 units**  25 ml, with straigth valve Class АS ISO 385 DIN12700 |  |  |  |
| **57** | **Stirrers glass, 300 х 6 – 1 unit** |  |  |  |
| **58** | **PE Sprayer, 500 ml. – 10 units** |  |  |  |
| **59** | **Slides with frosted end 76 х 26 – 2 sets**  Set of 50 pcs. |  |  |  |
| **60** | **Watch glass, 100 mm – 10 units** |  |  |  |
| **61** | **Watch glass, 60 mm – 10 units** |  |  |  |
| **62** | **Eppendorf type test tube – PP – 1 set**  0.5 ml/1000 pcs. |  |  |  |
| **63** | **Eppendorf type test tube – PP – 1 set**  1.5 ml/1000 pcs. |  |  |  |
| **64** | **Eppendorf type test tube – PP – 5 sets**  **50 ml/100 pcs.** |  |  |  |
| **65** | **Volumetric flask – 5 units**  Material: PMP cl. A, Volume 50 ml, NS  12/21, with PP stopper height 150 mm,  with certificate |  |  |  |
| **66** | **Volumetric flask – 5 units**  Material: PMP cl. A, Volume 100 ml, NS  12/21, with PP stopperheight 150 mm,  with certificate |  |  |  |
| **67** | **Volumetric flask – 10 units**  Material: PMP cl. A, Volume 25 ml, NS  12/21, with PP stopperheight 150 mm,  with certificate |  |  |  |
| **68** | **Volumetric flask – 5 units**  Material: PMP cl. A, Volume 50 ml, NS  12/21, with PP stopperheight 150 mm,  with certificate |  |  |  |
| **69** | **Funnel short – 10 units**  Funnel PP, outer diameter 75 mm |  |  |  |
| **70** | **Glass filter system for filter with φ 25mm, 1000 l – 2 units** |  |  |  |
| **71** | **Consumables for keeping samples – bottles – 50 units**  reactive bottle graduated screw -capped, autoclavable 121°С |  |  |  |
| **72** | **Consumables for keeping samples – bags – 5 units**  bags with sipper sealing function, transparent LPDE dimensions 300\*200 mm, 100 units pack |  |  |  |
| **Glassware Aquaculture and Biotechnology Lab** | | | | |
| **73** | **Universal holder with anti-corrosion coating – 2 units**  volume 20-30 mm |  |  |  |
| **74** | **Coupling with anti-corrosion coating – 2 units**  volume 16 mm |  |  |  |
| **75** | **GASKET – 3 units**  volume 500 ml, measuring, Class A, ISO 1042, DIN 12 664 |  |  |  |
| **76** | **GASKET – 3 units**  volume 1000 ml, measuring, Class A, ISO 1042, DIN 12 664 |  |  |  |
| **77** | **STAND for round-bottomed CORK flasks, 250 – 500 ml – 3 units** |  |  |  |
| **78** | **Mortar – 2 units**  volume 300 ml, porcelain with pestle / glazed |  |  |  |
| **79** | **Mortar – 2 units**  volume 500 ml, porcelain with pestle / glazed |  |  |  |
| **80** | **SILICONE GREASE FOR GRINDERS - 100 оС +315оС – 1 unit** |  |  |  |
| **81** | **Q2/53 – Quartz Crucible – 10 units**  volume 53 ml |  |  |  |
| **82** | **QD/58 – Quartz crucible lid – 10 units**  volume 53 ml |  |  |  |
| **83** | **Crucible to 1450°C corundum - mulite 60:40% - 10 units**  volume 45 ml |  |  |  |
| **84** | **Mortar – 1 unit**  volume 140 ml, agate with a pestle |  |  |  |
| **85** | **Crucible clamp, length 50 cm – 2 units** |  |  |  |
| **86** | **Parafilm – 1 unit** |  |  |  |
| **87** | **REACTIVE BANK on a section – transparent – 10 units**  Volume 1000 ml |  |  |  |
| **88** | **Tweezers - metal 140 mm – 2 units** |  |  |  |
| **89** | **Tweezers - metal 200 mm – 2 units** |  |  |  |
| **90** | **Automatic micropipettes – 1 unit**  1 – 10 ml |  |  |  |
| **91** | **Automatic micropipettes – 1 unit**  0.1 – 1.0 ml. |  |  |  |
| **92** | **Automatic micropipettes – 1 unit**  0.02 – 0.2 ml. |  |  |  |
| **93** | **Automatic micropipettes – 1 unit**  0.005 – 0.05 ml. |  |  |  |
| **94** | **Tripod for 4 automatic micro pipettes – 1 unit** |  |  |  |
| **95** | **Tips for automatic pipettes (1 – 10 ml) – 1 unit**  package 1000 pcs. |  |  |  |
| **96** | **Tips for automatic pipettes (0.1 – 1.0 ml) – 1 unit**  package 1000 pcs. |  |  |  |
| **97** | **Tips for automatic pipettes (0.005 – 0.2 ml) – 1 unit**  package 1000 pcs. |  |  |  |
| **98** | **Box with autoclave tips (0.005 – 0.2 ml) – 1 unit** |  |  |  |
| **99** | **Box with autoclave tips (0.1 – 1.0 ml) – 1 unit** |  |  |  |
| **100** | **5 mm NMR Tube Quartz Glass (Silicon dioxide SiO2) – 10 units** |  |  |  |
| **101** | **5 mm NMR Tube 3.3 (ASTM Type 1 Class A glass) (D400-5-7) – 20 units** |  |  |  |
| **Glassware Aquatic Ecosystem Lab** | | | | |
| **102** | **Petri dishes glass, 80 mm – 5 units** |  |  |  |
| **103** | **Petri dishes glass, 100 mm – 5 units** |  |  |  |
| **104** | **Petri dishes glass, 60 mm – 5 units** |  |  |  |
| **105** | **Dessicator with a valve and a plate, 250 ml – 1 unit** |  |  |  |
| **106** | **Erlenmeyer flask/ wide neck/ ISO 24450, 200 ml – 5 units** |  |  |  |
| **107** | **Erlenmeyer flask/ wide neck/ ISO 24451, 500 ml – 5 units** |  |  |  |
| **108** | **Erlenmeyer flask/ wide neck/ ISO 24452, 1000 ml – 5 units** |  |  |  |
| **109** | **Iodine glass-stoperred flask, 500 ml – 5 units** |  |  |  |
| **110** | **Drexel bottle, 500 ml – 1 unit** |  |  |  |
| **111** | **Crystallizer DIN 12 338, 1500 ml – 1 unit** |  |  |  |
| **112** | **Universal holder with anti-corrosion coating, 30 – 50 mm – 1 unit** |  |  |  |
| **113** | **Coupling with anti-corrosion coating, 16 mm – 1 unit** |  |  |  |
| **114** | **Vacuum pump metal with hollander ¾" – 1 unit** |  |  |  |
| **115** | **Gasket - measuring /Class А/ ISO 1042, DIN 12 664 with cap, 50 ml – 5 units** |  |  |  |
| **116** | **Gasket - measuring /Class А/ ISO 1042, DIN 12 664 with cap, 100 ml – 5 units** |  |  |  |
| **117** | **Gasket - measuring /Class А/ ISO 1042, DIN 12 664 with cap, 250 ml – 5 units** |  |  |  |
| **118** | **Gasket - measuring /Class А/ ISO 1042, DIN 12 664 with cap, 500 ml – 5 units** |  |  |  |
| **119** | **Gasket - measuring /Class А/ ISO 1042, DIN 12 664 with cap, 1000 ml – 5 units** |  |  |  |
| **120** | **Magnetic stirrer with teflon coating, 6 mm/20 mm – 1 unit** |  |  |  |
| **121** | **Magnetic stirrer with teflon coating, 6 mm/25 mm – 1 unit** |  |  |  |
| **122** | **Magnetic stirrer with teflon coating, 6 mm/30 mm – 1 unit** |  |  |  |
| **123** | **Pipette Mohr Rezila, 2 ml – 2 units** |  |  |  |
| **124** | **Pipette Mohr Rezila, 5 ml – 2 units** |  |  |  |
| **125** | **Pipette Mohr Rezila, 10 ml – 2 units** |  |  |  |
| **126** | **Pipette Mohr Rezila, 25 ml – 2 units** |  |  |  |
| **127** | **Mortar - porcelain with a pestle /glazed/, 300 ml – 1 unit** |  |  |  |
| **128** | **Mortar - porcelain with a pestle /glazed/, 500 ml – 1 unit** |  |  |  |
| **129** | **Beher Glass - high shape, 100 ml – 5 units** |  |  |  |
| **130** | **Beher Glass - high shape, 250 ml – 5 units** |  |  |  |
| **131** | **Beher Glass - high shape, 400 ml – 5 units** |  |  |  |
| **132** | **Beher Glass - high shape, 600 ml – 5 units** |  |  |  |
| **133** | **Beher Glass - high shape, 800 ml – 5 units** |  |  |  |
| **134** | **Beher Glass - high shape, 1000 ml – 5 units** |  |  |  |
| **135** | **PVC- reinforced hose (per meter), 8x12 mm – 5 units** |  |  |  |
| **136** | **PVC- reinforced hose (per meter), 10x14 mm – 5 units** |  |  |  |
| **137** | **Parafilm – 1 unit** |  |  |  |
| **138** | **Tweezers – metal – 2 units**  160 mm straigth |  |  |  |
| **139** | **Tweezers – metal – 2 units**  140 mm curved end |  |  |  |
| **140** | **Gloves – 2 sets**  **nitrile without powder, L** |  |  |  |
| **141** | **Pipette tripods – 1 unit**  for 16 pipettes |  |  |  |
| **142** | **Universal tripod with metal plate and rod, 150 x 250 – 1 unit** |  |  |  |
| **143** | **Funnel - plain, glass, 80 mm – 5 units** |  |  |  |
| **144** | **Funnel - plain, glass, 100 mm – 5 units** |  |  |  |
| **145** | **Funnel - plain, glass, 50 mm – 5 units** |  |  |  |
| **146** | **Cylinder – 3 units**  measuring, graduated, Class A, high shape with blue graduation, 10 ml |  |  |  |
| **147** | **Cylinder – 3 units**  measuring, graduated, Class A, high shape with blue graduation, 25 ml |  |  |  |
| **148** | **Cylinder – 3 units**  measuring, graduated, Class A, high shape with blue graduation, 50 ml |  |  |  |
| **149** | **Cylinder – 3 units**  measuring, graduated, Class A, high shape with blue graduation, 100 ml |  |  |  |
| **150** | **Cylinder – 3 units**  measuring, graduated, Class A, high shape with blue graduation, 250 ml |  |  |  |
| **151** | **Cylinder – 2 units**  measuring, graduated, Class A, high shape with blue graduation, 1000 ml |  |  |  |
| **152** | **Brushes for cleaning laboratory glassware, 50 mm – 2 units** |  |  |  |
| **153** | **Brushes for cleaning laboratory glassware, 20 mm – 2 units** |  |  |  |
| **154** | **Metal spatula, 150 mm/6 mm – 1 unit** |  |  |  |
| **155** | **Polypropylene burette holder for 2 pcs. – 1 unit** |  |  |  |
| **156** | **Burette Mohr with straigth valve Class АS ISO 385 DIN12700, 25 ml – 2 units** |  |  |  |
| **157** | **Stirrers glass, 300x 6 – 1 unit** |  |  |  |
| **158** | **PE Sprayer, 500 ml – 3 units** |  |  |  |
| **159** | **Slides, 50 pcs – 2 sets** |  |  |  |
| **160** | **Watch glass, 100 mm – 5 units** |  |  |  |
| **161** | **Watch glass, 60 mm – 5 units** |  |  |  |
| **162** | **Eppendorf type test tube – PP – 1 set**  0.5 ml/1000 pcs |  |  |  |
| **163** | **Eppendorf type test tube – PP – 1 set**  1.5 ml/1000 pcs |  |  |  |
| **164** | **Test tubes with screw cap "Falcon" type PP – standing – 1 set**  50 ml/100 pcs |  |  |  |
| **Glassware for Gas Chromatograph** | | | | |
| **165** | **Volumetric flask 1000ml – 2 units**  dark glass, class А, NS 24/29; with dark glass stopper; with certificate |  |  |  |
| **166** | **Volumetric flask 2000ml – 2 units**  dark glass, class А, NS 29/32; with dark glass stopper; with certificate |  |  |  |
| **167** | **Volumetric flask 10ml – 5 units**  dark glass, class А, NS 10/19; with dark glass stopper; with certificate |  |  |  |
| **168** | **Volumetric flask 25ml – 5 units**  dark glass, class А, NS 10/19; with dark glass stopper; with certificate |  |  |  |
| **169** | **Volumetric flask 50ml – 5 units**  dark glass, class А, NS 14/23; with dark glass stopper; with certificate |  |  |  |
| **170** | **Volumetric flask 100ml – 5 units**  dark glass, class А, NS 14/23; with dark glass stopper; with certificate |  |  |  |
| **171** | **Volumetric flask 5 ml – 5 units**  dark glass, class А, NS 10/19; with dark glass stopper; with certificate |  |  |  |
| **172** | **Pasteur Pippetes, 145mm, 2ml – 5 units** |  |  |  |
| **173** | **GC Vials+Caps\*, 2 ml., dark glass – 5 units** |  |  |  |
| **174** | **Glass stirrers – 10 units**  200\*4 (length\*diameter) |  |  |  |
| **175** | **Glass stirrers – 10 units**  300\*6 (length\*diameter) |  |  |  |
| **176** | **Parafilm, 10 cm х 38 m – 1 unit** |  |  |  |
| **177** | **Pipette stand, vertical (94 pipettes) – 2 unit** |  |  |  |
| **178** | **Draining rack – 1 unit**  with collection tray, 72 pegs |  |  |  |
| **179** | **Separating funnel, 100 ml – 5 units**  pear shaped with PTFE valve |  |  |  |
| **180** | **Separating funnel, 500 ml – 5 units**  pear shaped with PTFE valve |  |  |  |
| **181** | **Separating funnel, 1000 ml – 3 units**  pear shaped with PTFE valve |  |  |  |
| **182** | **Microsyringes, 10 ul – 1 unit**  1701 N (26s/51/3) |  |  |  |
| **183** | **Microsyringes, 50 ul – 1 unit**  1705 N (26s/51/3) |  |  |  |
| **184** | **Microsyringes, 100 ul – 1 unit**  1710 N (26s/51/3) |  |  |  |
| **185** | **Microsyringes, 500 ul – 1 unit**  1750 N (26s/51/3) |  |  |  |
| **186** | **Erlenmeyer flasks 500 ml – 10 units**  NS 29/32; with glass stopper |  |  |  |
| **187** | **Erlenmeyer flasks 300 ml – 10 units**  NS 29/32; with glass stopper |  |  |  |
| **188** | **Glass bottle 50 ml – 10 units**  neutral glass with screw cap, wide neck, dark |  |  |  |
| **189** | **Glass bottle 100 ml – 10 units**  neutral glass with screw cap, wide neck, dark |  |  |  |
| **190** | **Glass beads – 1 unit** |  |  |  |
| **191** | **Round bottom flask – 10 units**  100 ml NS 24/29 |  |  |  |
| **192** | **Dark glass sample bottles with plugs with PTFE coaing 1000 ml – 30 units** |  |  |  |