****

**Tender**

**For**

**Supply of Bio Lab Equipment & Chemicals –Isa Town campus**

**1st December 2016**

#### INSTRUCTIONS TO TENDERERS

The Tenderer is to read carefully the instructions set out below and no claim will be entertained on the grounds of failure to read or comply with these instructions or for any alleged misunderstanding of their importance.

1. **Delivery of Tenders-**
2. Tenders must be delivered in a properly sealed envelope along with a soft copy (CD) of the same, and with no external inscription or mark of identification other than “TENDER FOR SUPPLY OF BIO LAB EQUIPTMENTS & CHEMICALS” and the Closing date, on the top left hand corner of the envelope.
3. The sealed envelope shall be deposited, in the tender box placed in 1st Floor, Executive Committee Room, Administration Block, Isa Town Campus, Indian School Bahrain, not later than 12 noon , **15th December 2016**
4. Your quotation must be valid for 30 days from the closing date.
5. Tenders delivered after the date and time stated above will not be considered.
6. Please give few references of same kind of supplies already executed.

**Specifications –**

Pl find below the details required about the Bio Lab requirement

**KITS:**

|  |  |
| --- | --- |
|  |  |
| **Item**  | **Quantity** | **total Cost**  |
|
| Gel filtration techniques kit | 5 pkt |   |
| Onion DNA extraction kit | 5 pkt |   |
| Pregnancy test bio kit | 5 pkt |   |
| ABO Rh blood typing with synthetic blood kit | 5 pkt |   |
| Antibiotics sensitivity bio kit  | 5 pkt |   |
| DNA necklace kit | 5 pkt |   |
| Gram stain comparison set | 5 pkt |   |
| Ggram negative morphology set | 5 pkt |   |
| Gram positive morphology set | 5 pkt |   |
| Bacterial DNA extraction kit.E.coli | 5 pkt |   |
| Bacterial plasmid isolation kit | 5 pkt |   |
| Restriction digestion of plasmid DNA kit | 5 pkt |   |
| Bacterial transformation kit | 5 pkt |   |
| Ion exchange chromatography kit | 5 pkt |   |
| Glucose estimation kit  | 5 pkt |   |
| Restriction enzymes | 50pkt |   |
| Plasmid DNA | 50pkt |   |
| Lambda DNA | 50pkt |   |
|  E-coli colony bacteria culture | 5 |   |
| DNA sample  | 50pkt |   |
| Cell lysis solution  | 10 |   |
| DNA precipitation solution | 10 |   |
| Restriction buffer,10x solution | 10 |   |
| Loading dye for gel electrophoresis of DNA | 1mLx50 |   |
| T.E buffer | 10 |   |
| Strepto cocous colony culture | 5 |   |
| DNA gel electrophoresis reagents  | 5 |   |
| Agarose,25g | 5 |   |
| Carolina blu DNA stain | 50mLx 25 |   |
| Gram stain set  | 4 set |   |
| Mannitol | 500gx3 |   |
| DNA powder  | 100gx 5 |   |
| Macerozyme ( a mixture of pectinase, cellulase,and hemicellulase) | 100mLx 10 |   |
| Aceto- carmine  | 100mLx 10 |   |
| Bovine serum albumin (BSA) | 25gx2 |   |
| Trypton | 500gx2 |   |
| Pectinase | 100mLx 10 |   |
| Cellulase  | 25gx10 |   |
| Hemi- cellulase  | 25gx10 |   |
| Human karyo type Analysis set | 5 set |   |
| Karyotyping with magnetic chromasomes kit | 5 set |   |
| Human genetic traits set | 5 set |   |
|   |   |   |
| Apparatus & Glass Wares  |   |
| **Item**  | **Quantity** | **Cost**  |
|
| Countour cordless advanced microscope.Din 4x 10x 40x oil immersion. 100x coated parfocal achromatic, objectives, voltage selector. | 7 |   |
|  Carolina pipettors 100to 1000 ,blue tip | 10 |   |
| Carolina pipettors 20 to 200. yellow tip | 5 |   |
| Micropipet tips (100to 1000)blue | rack of 100 |   |
| Micropipet tips (1 to 200)yellow | rack of 200 |   |
| PH meter. Hanna water proof field ph meter | 2 |   |
| Cover glasses squares 18x 18m.m | 100pkt |   |
|  Bacti- spreader | 2 |   |
| Test tube cuvettes (1/2diam )  | 12x 2box |   |
| Graduated cylinder. Pyrex 100mL | 25 |   |
| Graduated cylinder. Pyrex 50mL | 12 |   |
| Graduated cylinder. Pyrex 10mL | 25 |   |
| Ppyrex erlenmeyer flask, measuring 250mL | 50 |   |
| Corning digital hot plate, model pc 400D. Top size5x7.temp.range 5 to 550 | 2 |   |
| Pyrex vista test tubes 15x 125 mm | 200 |   |
|   |   |   |
| **Specimes**   |
| **Item**  | **Quantity** | **Cost**  |
|
| **BIOSMOUNT PREPARATIONS** |  |   |
| Frog life cycle | 1 |   |
| Earthworms | 1 |   |
| Dog fish ,injected | 1 |   |
| Bull frog injected | 1 |   |
| Rat injected | 1 |   |
|   |   |   |
| **ENTOMOUNT PREPARATIONS** |   |   |
| Cocoons and chrysalids | 1 |   |
| Monarch butterfly metamorphosis | 1 |   |
| Butterfly demonstration set | 1 |   |
|   |   |   |
| **BIORAMA PREPARATIONS**  |   |   |
| Freshwater pond community | 1 |   |
| Coral collection set | 1 |   |
| Honey bee life cycle | 1 |   |
| Echinoderm | 1 |   |
|   |   |   |
| **DRIED SPECIMENS** |   |   |
| Pigeon(stuffed) | 1 |   |
| Rabbit(stuffed) | 1 |   |
| Coral set | 1 |   |
|   |   |   |
| **PLASTOMOUNTS** |   |   |
| Harmful insects | 1 |   |
| pigeon dissection | 1 |   |
| Rabbit dissection | 1 |   |
|   |   |   |
| **PRESERVED SPECIMENS (MUSEUM PREPARATIONS )** |   |   |
| Chameleon | 2 |   |
| pitcher plant | 2 |   |
| Utricularia | 2 |   |
| Vallisneria | 2 |   |
| Inflorescence of maize | 2 |   |
| wheat plant with flower | 2 |   |
| Rice plant with flower | 2 |   |
| Aquatic plants set | 2 |   |
|   |   |   |
| **MODELS** |   |   |
| Denoyer Geppert giant dicotflower | 1 |   |
| Altay bacterium set | 1 |   |
| Altay typical viruses set | 1 |   |
| Denoyer Geppert deluxe kidney | 1 |   |
| Altay chloroplast | 1 |   |
| Male reproductive system. Human | 1 |   |
| Female reproductive system .Human | 1 |   |
|   |   |   |
| **MICROSCOPE SLIDES** |   |   |
| Mammal ovary,sec | 5 |   |
| mammal testis,sec | 5 |   |
| Yeast cells | 5 |   |
| Palisade cells | 5 |   |
| Guard cells | 5 |   |
| Xylem | 5 |   |
| Phloem | 5 |   |
| Striated muscle | 5 |   |
| Mammal blastula | 5 |   |
| Entamoeba histolytica | 5 |   |
| Plasmodium vivax  | 5 |   |
| Binary fission in amoeba | 5 |   |
|   |   |   |
| **CHEMICALS** |   |   |
| Seliwanoff reagent | 100mLx10 |   |
| Sudanlll | 500mLx5 |   |
| PTC paper | 50 pkt |   |
| Nutrient medium (pollen germination ) | 100mLx5 |   |
| Metanil yellow | 50gx5 |   |
|   |   |   |
| **LABORATORY EQUIPMENT**  |   |   |
| Contour cordless advanced microscope ,din 4x10x40x oil. immersion 100x coated parfocal achromatic, objectives voltage selector.  | 10 |   |
| Cover glases, squares 18x 18m.m | 100pkt |   |
| Test tubes,pyrex glass heavy wall with rim 16x50 | 10pkt |   |
| Dissecting forceps, fine points, stainless steel  | 50 |   |
| Microscope slides | 10 boxes |   |
| Needles,stainless steel needles mounted in plastic handles | 100 |   |
| Brushes,pencil type,size no 8 wooden handle. | 150 |   |
| Dissecting scissors, straight stainless steel blades.  | 25 |   |
| Hanna waterproof field PH meter.  | 2 |   |
| Ohaus pioneer precision balance,model PA 512 capacity 510g, pan size 7 diam. | 1 |   |
| Delivery tube | 3 |   |
| Total Cost  |   |   |

1. **Special Clause-**
* ISB reserve the right to change quantity /or cancel any item**.**
1. **Date of Delivery –**
* **15th January 2017**

**5. Please mention the customs clearance / statutory requirements associated with the purchase.**