**LIMITED TENDER NOTICE**

No. …………………..

Department: **Botany, Union Christian College, Aluva-2**

Sealed limited tenders are invited for the supply of the following Sports goods:

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Sl.No | Name of Item | Specification | Quantity | Remarks |
| 1 | As per the attached list |  |  |  |

The envelopes containing the tender should bear the superscription “Limited Tender, Department of Botany, Union Christian College, Aluva 2” and should be addressed to
THE PRINCIPAL, UNION CHRISTIAN COLLEGE, ALUVA 2

Last date for receipt of limited tenders will be **31.08.2016,** 2.00 pm. Late limited tenders will not be accepted. The details regarding the same will be available in the college website from 16.08.2016 to 31.08.2016.

The limited tenders will be opened at 10.00 am on **01.09.2016** in the presence of such of the limited renderers or their authorized representatives who may be present at that time.

Intending limited renderers may, on application to the THE PRINCIPAL., UNION CHRISTIAN COLLEGE, ALUVA-2 obtain the requisite tender forms on which tenders should be submitted. Application for the limited tender form should be accompanied by a cash remittance of Rs.420/- (inclusive of VAT) which is the price fixed for a form/set of forms and which is not refundable under any circumstances. The limited tender forms are not transferable.

Sale of tender forms will be closed at 10 a.m on **31.08.2016**. Cheques, postage stamps, etc., will not be accepted towards the cost of forms, nor will the forms be sent per V.P.P. Duplicate tender forms, if required will be issued at Rs.200 per copy.

An agreement has to be executed by you in the prescribed form on stamp paper of value Rs.100/- purchased in the Kerala state.

Place: Aluva

Date: 16.08.2016 THE PRINCIPAL.

UNION CHRISTIAN COLLEGE,

ALUVA 2

**TENDER FORMAT**

|  |
| --- |
| Tender No……………………………for the supply of Chemicals, Glasswares, EquipmentUnion Christian College, Aluva-2 |
| Due date and time for receipt of tender | **31-08-2016** 2.00 pm |
| Date and time for opening of tender |  **01.09-2016** 10..00 am |
| Date up to which the rates are to be firm |  **31-05-2017** |
| Price of tender form | (Rs.420)Rs. 400 + 20 VAT |
| Price of duplicate copy | Rs.200 |
| Address of Officer from whom tenderforms are to be obtained and to whomtenders are to be sent: | THE PRINCIPAL., UNION CHRISTIAN COLLEGE, ALUVA 2 |

Whether samples essential: Yes

Period within which goods should be delivered: **Two week after the receipt of Order**

Rates should be quoted for delivery at the Physical Education Department, **Union Christian College, Aluva - 2**

Other special conditions: Price should be inclusive of taxes and transportation

Place: Name & Address of Tenderer:

Date. Signature:

**Chemicals/ Glass ware/ Equipment requirements from Botany Department**

**Chemicals:**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Sl. No | Item | Quality: Merck/ Qualigen/ Hi Media / Bio-rad/ Chromogen/ Genetics Makes  | Quantity  | Remarks |
| 1 | Acetic acid  | Merck  | 1 liter  |  |
| 2 | Acetone  | Merck | 2.5L x2 |  |
| 3 | Acrylamide/ Bis Acrylamide 30% solution (5X)  | Bio Rad | 500ml |  |
| 4 | Agar agar | Merck | 1 Kg |  |
| 5 | Agarose  | Merck | 500kg |  |
| 6 | Ammonium Per Sulphate  | Merck  | 100gm  |  |
| 7 | Beef extract powder( bacteriological) | Merck | 500gms |  |
| 8 | Bovine Serum Albumin  | HI Media  | 100gm |  |
| 9 | Carmine Powder | Merck  | 200gm |  |
| 10 | Chloroform | Merck | 2.5L x2 |  |
| 11 | Coomassi e Brilliant Blue  | Merck | 100 gm |  |
| 12 | Dextrose | Merck | 1 kg |  |
| 13 | Di Nitro salicylic (DNS Reagent)  | Merck | 250 ml |  |
| 14 | Di Potassium Hydrogen Phosphate  | Merck | 250 gms |  |
| 15 | Dialysis membrane ( 110 Av) | Hi Media  | 5 unit |  |
| 16 | EDTA | Merck | 500gm |  |
| 17 | Fast green FCF | Merck  | 200gms |  |
| 18 | Giesma Stain  | Merck  | 100 ml |  |
| 19 | Hydrochloric acid  | Merck  | 2.5 liter |  |
| 20 | Isopropyl alcohol | Merck | 2.5L x2 |  |
| 21 | Lactose | Merck | 250 gms |  |
| 22 | M.S. Media powder | High Media  | 1 Packet (1X10) |  |
| 23 | Maganous Sulphate  | Merck  | 250 gms |  |
| 24 | Maltose | Merck | 250 gm |  |
| 25 | Mercuric Bromo phenol Blue | Merck  | 200gm  |  |
| 26 | Mercuric Chloride  | Merck | 250 gm |  |
| 27  | Methyl Orange indicator solution |  | 3 bottles |  |
| 28 | Ninhydrin  | Merck  | 50gm  |  |
| 29 | Nitric acid  | Merck  | 2.5 liter  |  |
| 30 | PCR Kit | Bio Rad  | 5 unit |  |
| 31 | Peptone | Merck  | 500gms |  |
| 32 | Petroleum either  | Merck | 2.5L x2 |  |
| 33 | Phenyle methane sulfonyl fluoride( PMSF) | Hi Media  | 100 mg |  |
| 34 | Phosphoric Acid  | Merck  | 1 liter  |  |
| 35 | Phenolphthalein indicator solution  |  | 3 bottles  |  |
| 36 | Potassium dihydrogen orthoPhosphate  | Merck | 250 gms |  |
| 37 | RNAase enzyme  | Bio Rad | 5 unit |  |
| 38 | Rose Bengal Stain  | Merck | 100 gm |  |
| 39 | Safranin O | Merck  | 100 gm |  |
| 40 | SDS | Hi Media | 1 Kg |  |
| 41 | SDS Page Protein marker(Medium)  | Bio-Rad/ Chromogen/ Genetics | 1 vial  |  |
| 42 | Silica Get for TLC(with Binder) | Merck | 1 Kg |  |
| 43 | Silver Nitrate | Qualigens | 200gm  |  |
| 44 |  Sodium acetate | Merck | 500gm |  |
| 45 | Sodium Alginate | Merck Make  | 500gm |  |
| 46 | Sodium potassium tartarate | Merck | 250 ml |  |
| 47 | Sodium potassium tartarate | Merck | 500ml |  |
| 48 | Soluble cellulose  | Merck | 250 gms |  |
| 49 | Soluble Starch  | Merck  | 1 kg |  |
| 50 | Sulfonamide | Merck  | 100g |  |
| 51 | Sulphuric Acid  | Merck  | 2 .5 liter  |  |
| 52 | TAE buffer 10X / 50X | Hi media  | 500 ml |  |
| 53 | Taq Polymerize | Bio rad  | 5 Unit |  |
| 54 |  Tertiary Butyl Alcohol  | Merck  | 500ml  |  |
| 55 | Thidiazuron (TDZ) | Merck | 5 g |  |
| 56 | T-pole(Lab wash) | High media | 2 liter |  |
| 57 | Tris H Cl | Hi Media | 200gms |  |
| 58 | Tris Base  | Hi Media | 200gms |  |
| 59 | Tris- Glycine SDS Buffer (5X) | Bio Rad  | 500ml |  |
| 60 | Vanillin  | Merck  | 100 gm  |  |
| 61 | Xylene | Merck  | 500ml  |  |

**Glass ware/ Plastic ware:**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| SlNo | Item  | Make:Borosil/Schot Duran/ Gold coin / local make  | Quantity  | Remark |
| 1 | Beaker 100 ml  | Borosil/Schot Duran | 20 |  |
| 2 | Beaker 250 ml | “  | 20 |  |
| 3 | Beaker 500 ml (Plastic) | “  | 10 |  |
| 4 | Beaker 1000 ml (Plastic) | “  | 10 |  |
| 5 | Boiling Tube (rimless) | “ | 200Nos. |  |
| 6 | Capillary tubes  | Local | 1 Packet |  |
| 7 | Cavity block with lid  | Local  | 100 Nos. |  |
| 8 | Conical Flask -150ml | Borosil/Schot Duran | 20 |  |
| 9 | Conical Flask- 250ml | “ | 20 |  |
| 10 | Conical Flask -500ml | “ | 20 |  |
| 11 | Conical Flask -50ml | “ | 20 |  |
| 12 | Conical Flask-100ml | “ | 20 |  |
| 13 | Cover Glass Squire | Gold coin | 10 pkt. |  |
| 14 | Glass rods | Local | 20 Nos |  |
| 15 | Measuring Cylinder 10 ml  | Borosil/Schot Duran | 5 |  |
| 16 | Measuring Cylinder 100 ml  | “ | 5 |  |
| 17 | Measuring Cylinder 25 ml  | “ | 5 |  |
| 18 | Measuring Cylinder 50 ml  | “ | 5 |  |
| 19 | Petri plates Glass 9” diameter | “  | 100Nos. |  |
| 20 | Pipettes 0.1 ml  | “ | 10 |  |
| 21 | Pipettes 10 ml  | “ | 10 |  |
| 22 | Pipettes 1ml  | “ | 10 |  |
| 23 | Pipettes 2 ml  | “ | 10 |  |
| 24 | Reagent bottle 1000ml | Local | 20 Nos |  |
| 25 | Reagent bottle 100ml | “ | 20 Nos |  |
| 26 | Reagent bottle 250ml | “ | 40 Nos |  |
| 27 | Reagent bottle 500ml | “ | 20 Nos |  |
| 28 | Round Bottomed Flask 250 ml | Borosil/Schot Duran | 4nos |  |
| 29 | Screw capped bottle 25 ml | “ | 25 Nos |  |
| 30 | Screw capped bottle 50 ml | “ | 25 Nos |  |
| 31 | Soxhlet  | “ | 2nos |  |
| 32  | Test Tubes  | “ | 100Nos |  |
| 33 | Tray plastic for Lab use(21cmX 17cmX5 cm) | Local make | 25 Nos |  |
| 34  | Watch Glass 9’’ diameter | Local make | 50Nos. |  |
| 35 | Wash bottle (Plastic) |  | 20 Nos. |  |

 **Instruments:**

1. Colorimeter (Systronics) - 2 nos.
2. Hemocytometer (slide only) - 4 nos.
3. Microtomes (Rotary/ sledge ) - 1 no
4. pH meter (Systronics) - 2 nos.
5. PH pen (Systronics) - 2 nos.
6. Students Microscope (Olympus/ Radicle) - 10 Nos