



**VELU THAMPI MEMORIAL NSS  
COLLEGE DHANUVACHAPURAM,  
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THIRUVANANTHAPURAM PIN 695503**

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**TENDER NOTICE No. G4/PD/14/1/2022 dated 07/04/2022**

**Sealed tenders are invited for the supply of following items with specifications detailed below.**

| Sl.No. | Item   | Quantity |
|--------|--|----------|
|        | <b>Department of Chemistry</b>   |          |
| 1      | Aluminium nitrate EP - 500 g bottle  | 2        |
| 2      | Ammonium acetate EP - 500 g bottle   | 1        |
| 3      | Ammonium carbonate Purified - 500 g bottle   | 1        |
| 4      | Ammonium chloride EP -500 g bottle   | 2        |
| 5      | Ammonium ferric sulphate AR - 500 g bottle   | 3        |
| 6      | Ammonium ferrous sulphate (Mohr's salt) EP - 500 g bottle  | 4        |
| 7      | Ammonium Hydroxide LR-500mL Bottle   | 4        |
| 8      | Ammonium oxalate (monohydrate) Purified - 500 g bottle   | 1        |
| 9      | Ammonium thiocyanate EP - 500 g bottle   | 2        |
| 10     | Barium chloride AR - 500 g bottle  | 2        |
| 11     | Barium acetate-500g  | 2        |
| 12     | Barium nitrate-500g  | 2        |
| 13     | Benzaldehyde LR - 500 mL bottle  | 1        |
| 14     | Benzamide LR - 500 g bottle  | 2        |
| 15     | Benzoic acid-500g  | 2        |
| 16     | Benzoyl chloride- 500 mL   | 1        |
| 17     | Borches reagent-125 ml   | 2        |
| 18     | Boiling point apparatus  | 2        |
| 19     | Burette – Screw thread with PTFE Keys, Accuracy as per Class B – 50 mL (graduated with 0.1 mL) BOROSIL | 10       |
| 20     | Burette clamp, metal   | 10       |
| 21     | Burette stand with single clamp, metal   | 10       |
| 22     | Bunsen Burner Electric   | 5        |
| 23     | Boiling tube   | 10       |
| 24     | Calcium acetate-450g   | 2        |
| 25     | Calcium borate-250g  | 1        |
| 26     | Calcium nitrate-500g   | 1        |
| 27     | Clay pipe triangle   | 10       |
| 28     | Cobalt nitrate LR - 100 g bottle   | 1        |
| 29     | Copper(II) sulphate EP - 500 g bottle  | 1        |

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|----|--|-------|
| 30 | Disodium Hydrogen Phosphate-500g   | 1     |
| 31 | Ethyl benzoate LR - 500 mL bottle  | 1     |
| 32 | Ferric chloride LR - 500 g bottle  | 1     |
| 33 | Ferrous sulphate LR - 500 g bottle   | 1     |
| 34 | Filter paper sheets (ordinary)   | 2 set |
| 35 | Glass stirring rod $\approx$ 150 x 6 mm  | 25    |
| 36 | Glass Stirring Rods, with Rubber Policeman   | 25    |
| 37 | Glass beaker-100ml   | 20    |
| 38 | Glass beaker-250ml   | 20    |
| 39 | Hydrochloric acid - (30-34 %) LR - 2.5 L bottle                                      | 5     |
| 40 | Lamposolv - 500 mL bottle  | 1     |
| 41 | Lead nitrate-500g  | 2     |
| 42 | Magnesium nitrate LR - 500 g bottle  | 1     |
| 43 | Manganous acetate-500g   | 1     |
| 44 | Melting point apparatus (Thiel's tube 150 x 25 mm)                                   | 2     |
| 45 | Melting point capillary tube, glass, thin  | 2     |
| 46 | Mercuric Iodide AR-400g bottle   | 3     |
| 47 | Mercuric chloride AR - 100 g bottle  | 3     |
| 48 | Methyl Orange-125ml  | 2     |
| 49 | Metal wire guaze   | 50    |
| 50 | Nessler's reagent $\approx$ 100 mL bottle  | 3     |
| 51 | N-Phenyl Anthranilic acid-100mL bottle   | 3     |
| 52 | 1 - Naphthol, 250 g  | 1     |
| 53 | 2-Naphthol, 250 g  | 2     |
| 54 | Nitric acid, concentrated, 2.5 L   | 1     |
| 55 | Oxalic acid purified - 500 g bottle  | 3     |
| 56 | Paraffin oil (light) - 500 mL bottle   | 2     |
| 57 | Picric acid $\approx$ 100 mL bottle  | 1     |
| 58 | Plastic wash bottles - Squeeze type, Fitted with Stoppers and Delivery Tubes- 500 mL | 10    |
| 59 | Potassium chromate-500g bottle   | 1     |
| 60 | Potassium dichromate LR - 500 g bottle   | 3     |
| 61 | Potassium iodide EP - 100 g bottle   | 2     |
| 62 | phenolphthalien-100g   | 5     |
| 63 | Potassium permanganate, AR - 500 g bottle  | 1     |
| 64 | Phthalic acid-500g   | 2     |
| 65 | Resorcinol, 250 g  | 1     |
| 66 | Reflux Condenser   | 5     |
| 67 | Reagent bottle, Plastic-50 ml  | 50    |
| 68 | Shiff's reagent, $\approx$ 100 mL  | 1     |
| 69 | Silica crucible - 5cm in diameter  | 10    |
| 70 | Sodium carbonate (anhydrous) LR - 500 g bottle                                       | 4     |

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| 71 | Sodium hydroxide pellets Purified - 500 g bottle   | 2        |
| 72 | Sodium sulphide, 500 g   | 1        |
| 73 | Sodium thiosulphate (pentahydrate) Purified - 500 g bottle   | 1        |
| 74 | Starch-500g  | 2        |
| 75 | Stannous chloride LR - 100 g bottle  | 3        |
| 76 | Sulphuric acid (98 %) LR - 5 L bottle  | 1        |
| 77 | Tin metal-100g   | 1        |
| 78 | Thermometer 100 °C ( $\pm 0.1^\circ\text{C}$ )   | 5        |
| 79 | Thermometer 300 °C ( $\pm 1^\circ\text{C}$ )   | 5        |
| 80 | Test tube, Glass -10 ml  | 100      |
| 81 | Test tube brush  | 25       |
| 82 | Triangular tripod stand, metal 200 x 125 mm  | 20       |
| 83 | Test tube holder   | 25       |
| 84 | Urea-500g  | 1        |
| 85 | Volumetric Flasks with Interchangeable Solid Glass Stopper Accuracy as per Class B, 100 mL, Stopper 14/23, BOROSIL | 5        |
| 86 | Whatman 40 filter paper - 100 nos pack   | 2        |
| 87 | Watch glass  | 50       |
| 88 | Zinc nitrate hexahydrate LR - 500 g bottle   | 1        |
|    | <b>Department of Physics</b>   |          |
| 1  | Compound Pendulum - Steel  | 1        |
| 2  | Torsion pendulum set up  | 2        |
| 3  | Meter Bridge with brass strips (For Carey Fosters Bridge Experimental Set Up)                                      | 1        |
| 4  | Capillary tube ( Diameter 0.1mm, 0.25 mm & 0.5mm)  | 5        |
| 5  | Glycerine  | 1litre   |
| 6  | Hollow Prism ( Flint or Crown only)  | 3        |
| 7  | Prism ( Double flint )   | 3        |
| 8  | Pointer for Liquid lens experiment   | 4        |
| 9  | IC regulated variable power supply ( 0 to 12 V, 1A)  | 4        |
| 10 | DC Dual Power Supply (Variable)With 0 to $\pm 24\text{V}$ 500mA  | 2        |
| 11 | Spring constant setup with oscillating spring, scale and pointer   | 2        |
| 12 | Transformer ( 6-0-6, 2 Amp & 9-0-9V 1Amp)  | 5        |
| 13 | Soldering Flux   | 5Boxes   |
| 14 | Soldering Lead   | 10 rolls |
| 15 | Sonometer Experimental setup to find frequency of ac   | 1        |
| 16 | Scale and Telescope Arrangement  | 2        |
| 17 | Field along axis of a coil-full setup(5,50,500 turns)  | 1        |
| 18 | Travelling Microscope(Three Motions)   | 2        |
| 19 | Standard Resistance coils ( $1\Omega$ , $2\Omega$ , $5\Omega$ , $10\Omega$ )                                       | 2        |
| 20 | Carbon Resistance standard values ( $680\Omega$ , $560\Omega$ , $1\text{K}\Omega$ , $1.5$ )                        | 15each   |

|    |   |       |
|----|---|-------|
|    | K $\Omega$ , 2.2 K $\Omega$ , 2.7 K $\Omega$ , 4.7 K $\Omega$ , 8.2 K $\Omega$ , 10 K $\Omega$ , 12 K $\Omega$ , 15 K $\Omega$ , 68 K $\Omega$ , 82 K $\Omega$ , 100 K $\Omega$ , 47 K $\Omega$ |       |
| 21 | Meldes string Apparatus   | 1     |
| 22 | Searls vibration magnetometer   | 2     |
| 23 | Potentiometer (Teak wood)   | 1     |
| 24 | Zener diode ( 6V, 1/2 Watt)   | 25    |
| 25 | Table lamp (Ordinary )  | 3     |
| 26 | Mercury Vapour Lamb   | 2     |
| 27 | Sodium Vapour lamp  | 2     |
| 28 | Mercury   | 1kg   |
| 29 | Magnifying reading lens   | 5     |
| 30 | Transistor BC 107   | 15    |
| 31 | Transistor CL 100   | 15    |
| 32 | Single strand hooks up wire for soldering(Blue)   | 500gm |
| 33 | IC 741  | 15    |
| 34 | IC Base   | 5     |
| 35 | Diode Germanium IN 4071   | 30    |
| 36 | CRO Chord   | 2     |
| 37 | Capacitor-Electrolytic 500 $\mu$ F, 50V   | 15    |
| 38 | Capacitor-Electrolytic 1000 $\mu$ F, 50V  | 15    |
| 39 | Capacitor-Electrolytic 470 $\mu$ F, 50 V  | 15    |
| 40 | Rheostat 1000 $\Omega$  | 3     |
| 41 | Rheostat 125 $\Omega$   | 2     |
| 42 | Resistance Box (Manganine coil type) .1-10 $\Omega$   | 2     |
| 43 | Resistance Box (Manganine coil type) 1.0-1000 $\Omega$  | 2     |
| 44 | Galvanometer (50-0-50) (with resistance 50 $\Omega$ for ammeter/voltmeter conversion)   | 3     |
| 45 | Copper Connection Wire (DCC wire)   | 1kg   |
| 46 | Analog Voltmeter 0-15V  | 2     |
| 47 | Analog Voltmeter 0-1V   | 5     |
| 48 | Analog Voltmeter 0-10 V   | 3     |
| 49 | Analog DC Ammeter 0- 250mA  | 3     |
| 50 | Analog DC Ammeter 0-100 $\mu$ A   | 3     |
| 51 | Analog DC Ammeter 0-100 mA  | 3     |
| 52 | Analog DC Ammeter 0 - 1A  | 3     |
| 53 | Analog DC Ammeter 0-50 $\mu$ A  | 3     |
| 54 | Six-way key (Plug type)   | 3     |
| 55 | Commutator Key-Reversing Key  | 2     |
| 56 | IC Regulated Power Supply Adjustable(0 to 12 V) and 3 Amp   | 2     |
| 57 | IC Regulated Power Supply Adjustable(0 to 6 V) and 1Amp   | 5     |
| 58 | Regulated Battery eliminator cum +/- 15V dual supply (1.08V, 2V , 3V, .....12V, +/- 15V , 2A)   | 5     |

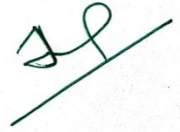
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|----|--|--------------|
|    | <b>Department of Botany</b>                          |              |
| 1  | Forceps -- Big size                                  | 15           |
| 2  | Forceps small size                                   | 25           |
| 3  | Camel Hair Brush                                     | 50           |
| 4  | Cover slip. 18 mm x 18 mm                            | 10<br>packet |
| 5  | Dropper Polythene. 3 ml.                             | 50           |
| 6  | Dropper Long Borosil Glass 6"                        | 50           |
| 7  | Blotting Paper                                       | 10<br>packet |
| 8  | Petriplate   | 50           |
| 9  | Watch glass  | 250          |
| 10 | Test tube holder                                     | 100          |
|    | <b>Department of Zoology</b>                         |              |
| 1  | NINHYDRIN SOLN 125 ML                                | 2            |
| 2  | SOD. HYDROXIDE PELLETS LR 500 GM                     | 2            |
| 3  | POT. IODIDE LR 100 GM                                | 2            |
| 4  | SODIUM THIOSULPHATE LR 500 GM                        | 1            |
| 5  | SULPHURIC ACID LR 500 GM                             | 1            |
| 6  | MANGANOUS SULPHATE                                   | 1            |
| 7  | WHATMAN NO.1 FILTER PAPER (for paper chromatography) | 10 NOS.      |
| 8  | PHENOLPHTHALEIN (125ML)                              | 2            |
| 9  | TOLUIDINE BLUE                                       | 1            |
| 10 | CHLOROFORM 500 ML                                    | 2            |
| 11 | FORMALDEHYDE LR 5LTR                                 | 1            |
| 12 | N-BUTYL ALCOHOL 500 ML                               | 2            |
| 13 | ACETIC ACID GLACIAL 500 ML                           | 2            |
| 14 | METHYLENE BLUE ALKALINE 125 ML                       | 2            |
| 51 | ACETOCARMINE 100 ML                                  | 1            |
| 16 | BLOTTING PAPER                                       | 10           |
| 17 | BENEDICT REAGENT 500ML                               | 1            |
| 18 | FEHLING SOLN. NO. 1 500ML                            | 1            |
| 19 | FEHLING SOLN. NO.2 500ML                             | 1            |
| 20 | L-LEUCINE 25GM                                       | 1            |
| 21 | L-ASPARTIC ACID 25GM                                 | 1            |
| 22 | L-VALINE 25GM  | 1            |
| 23 | SULPHOSALICYLIC ACID SOLN125 ML                      | 2            |
| 24 | HYDROCHLORIC ACID LR 500 GM                          | 1            |
| 25 | LEISHMAN STAIN (POWDER WITH SOLVENT) 100 ML          | 1            |
| 26 | INDICATOR PAPER PH WIDE RANGE 2.0-10.5 10 BK         | 2            |
| 27 | DROPPER BULBS (RED)                                  | 20           |
| 28 | DROPPER BULBS (YELLOW)                               | 20           |
| 29 | UNIVERSAL INDICATOR SOLUTION 125ML                   | 2            |
| 30 | LIQUID HAND WASH POUCH 1.5L                          | 2            |

|    |                           |   |
|----|---------------------------|---|
| 31 | PIPETTER PUMP 10ML        | 5 |
| 32 | POTASSIUM HYDROXIDE 500GM | 1 |

### The tender documents and conditions

1. The cost of tender form is Rs. 0.20% of PAC (rounded to nearest 100/-- minimum Rs.400/- + 12 % GST + and other taxes applicable). The tender cost is to be paid by way of cash / Demand Draft for the amount drawn in favour of **The Principal, VTM NSS College, Dhanuvachapuram, Pin-695503, Thiruvananthapuram District**, payable at **Dhanuvachapuram** enclosed along with the tender submitted.
2. The total amount earmarked for the purchase is approximately Rs. 1,50,000/- . Earnest Money Deposit(EMD) @ 1 % of the cost offered may be remitted by a separate DD drawn as detailed above.
3. Agreement on Kerala Stamp paper for Rs.200.00/-  
Form of agreement can be downloaded from the website [www.vtmnsscollege.ac.in](http://www.vtmnsscollege.ac.in)  
The offer for the item should indicate separately the basic unit, accessories and optional and its cost. Taxes, customs and excise duty, packing, forwarding and any other cost for its installation, if any should also be included. Tender for items of lower configuration than specified above will summarily be rejected.
4. The supplier should provide onsite after sales service support.
5. The supplier will replace the defective material, free of cost, if noticed within the Guarantee/ Warranty period.
6. The sealed cover containing the tender documents should be superscribed **“Tender for the supply of Lab consumables”** and sent to The Principal, VTM NSS College, Dhanuvachapuram, Pin-695503, Thiruvananthapuram District, Kerala
7. The supplier should give the details of the nearest service center and response time.
8. Details of warranty, after sale service offered on expiry of normal warranty period, available should be mentioned.
9. The undersigned reserves the authority to accept or reject any or all the tenders without assigning any reason.
10. The decision of the undersigned in finalizing the tenders shall be final and binding.
11. Leaflets/brochures/catalogues of the materials describing its features, applications, specifications etc. should be provided along with tender.
12. Tenders will be received up to 3 pm on 28.04.2022.
13. Tenders will be opened at 11 am on 29.04.2022 in the presence of the tenderers present at that time.
14. Tenders received late or incomplete in any respect will be summarily rejected without notice and the decision of the undersigned on such matters will be final.
15. The items should be supplied within 7 days of supply order.

16. All conditions of Kerala government tenders are applicable in this case also. Further information can be had from the web site [www.vtmnsscollege.ac.in](http://www.vtmnsscollege.ac.in) or from the office of The Principal, VTM NSS College, Dhanuvachapuram, Pin-695503, Thiruvananthapuram District, Kerala.



**Principal**  
**VTM NSS College, Dhanuvachapuram**