



**INDIAN INSTITUTE OF INFORMATION
TECHNOLOGY, UNA [HP]**

An Institute of National Importance under MHRD
NIT Campus, Hamirpur [HP]-177005

Contact No.: 01972-224375

Website: www.iiitu.ac.in



Dr. Rama Gaur
School of Basic Sciences

06, Feb '19

CALL FOR QUOTATIONS

SUB: IIIT, Una-Establishment of Chemistry Lab in Transit Campus II in Devbhoomi Group of Institutions, Chandpur, Una. ... Quotation requested ... regarding.

IIIT, Una has been established as an Institute of National Importance under the MHRD by an Act of Parliament No. 23 of 2017. It came to existence in the academic Year 2014-15 and offers B. Tech. in Computer Science and Engineering, Information Technology, and Electronics and Communication Engineering.

The Institute wants to establish a Transit Campus-II in Devbhoomi Group of Institutions, Chandpur, Una-177220 for its academic activities during 2019-20. A B.Tech. Chemistry laboratory is being set at Transit Campus-II. Quotations are invited for the supply of the following:

- Chemicals (requirements as in IIITU/TC-II-ChemLab-Chemicals-req/2019)
- Glassware (requirements as in IIITU/TC-II-ChemLab-Glassware-req/2019)
- Equipments (requirements as in IIITU/TC-II-ChemLab-Equipments-req/2019)

Please quote your ordinary unit price for supplying the goods along with your discount for bulk purchase. It may be indicated that, (i) if the taxes are inclusive or exclusive in the quotation, (ii) the delivery timeframe from the receipt of our purchase order to shipment, (iii) delivery F.O.R and (iv) the terms of payment.

The quotation shall reach the office of the Director at the following address on or before 5:00 PM of 08 Mar '19.

The Director
[Attention: Dr. Rama Gaur]
Indian Institute of Information Technology Una
NIT Campus, Hamirpur (HP)-177005
purchase@iiitu.ac.in

Any quotations submitted after the specified time and with incomplete information will not be accepted.

Your co-operation is solicited.

Thanking you

With regards,

[Dr. RAMA GAUR]

Requirement for Chemical Reagents

S.No.	Chemicals/Reagents	Purchase Requirement
1	Ammonium thiocyanate (NH ₄ CNS)	500 gm
2	Ammonium chloride	500 gm
3	Ammonium hydroxide	500 gm
4	Bleaching powder	500 gm
5	Calcium carbonate	500 gm
6	Chlorine water	1 L
7	Ferrous Ammonium sulphate [FeSO ₄ .(NH ₄) ₂ SO ₄ .6	500 gm
8	Potassium Iodide	500 gm
9	Potassium ferricyanide K ₃ [Fe(CN) ₆]	500 gm
10	Potassium thiocyanate (KCNS)	500 gm
11	Potassium hydroxide,	500 gm
12	Potassium dichromate (K ₂ Cr ₂ O ₇)	500 gm
13	Potassium permanganate (KMnO ₄)	500 gm
14	Potassium Chloride	500 gm
15	Sodium thiosulphate (Na ₂ S ₂ O ₃ .6H ₂ O)	500 gm
16	Sodium hydroxide (NaOH),	500 gm
17	Eriochrome black T	100 mL
18	Phenolphthalein indicator	100 mL
19	Methyl orange indicator	100 mL
20	Ferriin Indicator	100 mL
21	Starch	500 gm
22	N,N-Diethyl-p-phenylenediamine (DPD)	25 gm
23	Sulphuric acid (H ₂ SO ₄)	2.5 L
24	Nitric acid (HNO ₃)	2.5 L
25	Acetic acid (CH ₃ COOH),	2.5 L
26	Hydrochloric acid (HCl)	2.5 L
27	Hydrochloric acid (HCl)	2.5 L
28	Ethylene diamine tetra acetic acid (EDTA)	1 L
29	Salicylic acid	500 gm
30	Oxalic acid (C ₂ O ₄ H ₂ .2H ₂ O)	1 Kg
31	Benzene (C ₆ H ₆)	500 mL
32	Toluene (C ₆ H ₅ CH ₃)	500 mL
33	Methyl Acetate (CH ₃ COOCH ₃)	500 mL
34	Glacial acetic acid (CH ₃ COOH),	500 mL
35	Poly ethylene glycol (PEG)	500 mL
36	Acetic anhydride	500 mL
37	Silica powder	500 gm
38	L-Cysteine HCl monohydrate	25 gm
39	Glycine	25 gm
40	Ninhydrin	500 gm
41	Sodium Lauryl Sulphate/ Sodium dodecyl	500 gm

42	Poly ethylene glycol (PEG)	500 mL
43	Ethanol	500 mL
44	Phenol	500 mL
45	Urea (CO(NH ₂) ₂)	500 gm
46	Formaldehyde (HCHO)	500 mL
47	Lubricating oil	500 mL
48	Oil sample	500 mL

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Requirement for Glassware

S.No.	Glassware	Purchase Requirements
1	Conical Flask (Erlenmeyer Flask) (100 mL)	30 pcs
2	Burette (50 mL)	30 pcs
3	Burette stand	15 pcs
4	Pipette (10 mL)	30 pcs
5	Beaker (50 mL)	30 pcs
6	Beaker (100 mL)	30 pcs
7	Beaker (250 mL)	30 pcs
8	Funnel (small)	30 pcs
9	Funnel (medium)	5 pcs
10	Funnel (big)	5 pcs
11	Test tubes (15 mL, 6 pcs) 10 x 75 mm	90 pcs
12	Test tubes (15 mL, 6 pcs) 15 x 150 mm	90 pcs
13	Test tube stand (1pc per group)	15 pcs
14	Measuring cylinder (5 mL)	20 pcs
15	Measuring cylinder (10 mL)	30 pcs
16	Measuring cylinder (50 mL)	15 pcs
17	Measuring cylinder (100 mL)	15 pcs
18	Measuring cylinder (1 L)	2 pcs
19	Standard Flask (Volumetric Flask) (50 mL)	30 pcs
20	Standard Flask (Volumetric Flask) (100 mL)	30 pcs
21	Standard Flask (Volumetric Flask) (250 mL)	5 pcs
22	Standard Flask (Volumetric Flask) (1 L)	5 pcs
23	Solution Bottle 50 mL BOD Bottles with Pennyhead Stoppers	20 pcs
24	Solution Bottle 100 mL BOD Bottles with Pennyhead Stoppers	20 pcs
25	Solution Jar (2 L)	5 pcs
26	Solution Jar (3 L)	5 pcs
27	Solution Jar (5 L)	5 pcs
28	Stalagmometer	30 pcs
29	Relative density bottle (25 mL)	30 pcs
30	Ostwald Viscometer (120 x1 mm x 237 mm)	30 pcs
31	Glass slides (76 X 26 X 1 mm)	30 pcs
32	Spray Bottle (250 mL)	2 pcs
33	Watch glass	30 pcs
34	Glass rod (standard size)	30 pcs
35	Developing chamber (120 x 50 x 20 mm) with cover slide	15 pcs
36	Capillary	One pkt
37	Spatula (small)	5 pcs

38	Spatula (medium)	5 pcs
39	Round bottom flask (100 mL)	30 pcs
40	Rubber tubing (6mm)	5 mts
41	Dropper	15 pcs
42	Clamp clips	30 pcs
43	Distillation Assembly	1 set

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Requirement for Lab Equipments

S.No.	Glassware	Purchase Requirements	Specifications
1	Weighing balance	1 No.	120g /0.0001g Laboratory LCD Analytical Balance Digital Precision Scale 0.1mg
2	Colorimeter	8 Nos.	Optical system- single beam; Wavelength range-220-900 nm; Spectral bandwidth-4 nm; Wavelength accuracy- ± 2 nm; stability- 0.0002 A/h; Cell holder- 10 mm 4 position cuvette; Data output port USB port PC; LED Display; Photometric mode T,A,C,F; Power supply AC 220/50Hz (Must include- 4 Nos 10 mm Glass cuvettes, manual and dust cover)
3	Benchtop Conduc	8 Nos.	Auto Ranging; Automatic / Manual temperature compensation from 0-50° C; Resolution-0.01, 0.1; pH Accuracy ± 0.01 ; Calibration-1 to 3 points; Min mV (mV)-2000; Max mV (mV)-2000 mV; Accuracy $\pm 0.01\%$ Min Temperature (° F) 32; Max Temperature (°F)212; Temperature Resolution 0.1°F; Accuracy $\pm 0.36^\circ\text{F}$ (0.2°C)Temperature compensationYes, 32 to 212°F (0 to 100°C), automatic or manual; Power (VAC)110 - 120; Power (Hz)60; 3-in-1 pH Electrode, Electrode Holder, CConductivity cell
4	pH meter	8 Nos.	pH Meter Kit; Meter Type-Benchtop; Min pH-0; Max pH-14; Resolution-0.01, 0.1; pH Accuracy ± 0.01 ; Calibration-1 to 3 points; Min mV (mV)-2000; Max mV (mV)-2000 mV; Accuracy $\pm 0.01\%$ Min Temperature (° F) 32; Max Temperature (°F)212; Temperature Resolution 0.1°F; Accuracy $\pm 0.36^\circ\text{F}$ (0.2°C)Temperature compensationYes, 32 to 212°F (0 to 100°C), automatic or manual; Power (VAC)110 - 120; Power (Hz)60; 3-in-1 pH Electrode, Electrode Holder
5	Pensky – Marten's closed cup apparatus	8 Nos.	
6	Lighter	8 Nos.	Non mercury 110 degree C

880

7	Thermometer	16 Nos.	Non mercury 110 degree C
8	Heating oven	01 Nos.	Temperature Range-Ambient to 250 Degree Celsius Temperature Accuracy+/- 2 Degree Celsius Digital Preset timer: 999 hours Programmed heating
10	Stop watch	15 Nos.	
11	Heating mantle	1 Nos.	

28/11/20