



ISLAMIC UNIVERSITY OF SCIENCE & TECHNOLOGY AWANTIPORA, KASHMIR

Tender notice for supply of Laboratory equipments, Glassware and Chemicals

For and on behalf of Vice Chancellor Islamic University of Science and Technology, Awantipora, sealed tenders affixed with revenue stamp of Rs. 5/- are invited from the authorised dealers/suppliers and manufactures for supply and installation of Laboratory equipments, Glassware and Chemicals for the Department of Chemistry, Islamic University of Science and Technology, Awantipora. The tender document can be obtained from the office of **Assistant Registrar (Procurement & Stores)** or can be downloaded from the University website: www.islamicuniversity.edu.in against DD of **Rs. 500/-** (non refundable) favouring Islamic University of Science and Technology, Awantipora Pulwama (J&K) as cost of the tender document and to be submitted by or before **20-11-2018** (2.00pm). Terms and Conditions apply.

Sd/-

**Assistant Registrar (Procurement & Stores) /
Member Secretary Central Purchase Committee.**

No. IUST/Reg_P&S/Tender/18/998

Dated: 08 -11-2018

The Bidders are expected to go through all instructions, terms & condition as specified in the bidding document. Failure to furnish complete required information or submission of a bid with incomplete information may result in rejection of the bid.

GENERAL TERMS & CONDITIONS

1. The tender duly completed and signed shall be submitted in a sealed envelope upper-scribed “**Tender for supply of Laboratory equipments, Glassware and Chemicals**” shall be addressed to the **Assistant Registrar (Procurement & Stores)** Islamic University of Science and Technology, Awantipora Pulwama and shall be submitted on or before 20-11-2018 2.00 pm.
2. The intending bidders shall have to paste transparent tape on the rates quoted by them in Indian Rupees (INR) only both in figures and in words **FOR IUST Stores Awantipora**, inclusive of supply, installation excluding GST (**GST shall be paid as applicable at the time of supply of the items.**). In case of a discrepancy, the amount quoted in words will be taken as final.
3. The Tender should be accompanied with Earnest Money Deposit (EMD) of Rs. 10,000/- (Ten Thousand only) in the shape of FDR/CDR of any nationalised Bank drawn in favour of “Islamic University of Science and Technology”, payable at Awantipora, Pulwama (J&K).
4. The tender submitted shall remain valid for a period of **90 days** from the date of opening of the bid.
5. The supply, transportation, installation etc. of the items shall be sole responsibility and at the risk of the firm till the acceptance by the University.

6. The supplied items made under this tender will be inspected by a Committee specially constituted for the purpose and in case the Committee is of the opinion that the supplies are not of the required specifications, the supplies shall be rejected and responsibility of lifting back the supplies will devolve on the supplier. Besides, in such event, the EMD shall stand forfeited and the extra cost incurred in arranging the supply from the alternative sources shall also be recovered from the defaulting supplier apart from initiating the proceedings for blacklisting.
7. The University reserves the right to reject or accept any Proposal without assigning any reason or cancel or withdraw the tender. The University reserves the right to relax any condition enumerated or arising out of this tender, without assigning any reason/s thereof. If the supply of the required items are not affected before the specified period, the University shall have the authority to cancel the order or to take any action deemed fit in the circumstances.
8. In case of any dispute the jurisdiction will be courts at Srinagar only.
9. The EMD may be forfeited:
 - (a) If a Bidder withdraws its bid during the period of bid validity.
 - (b) If at any stage it is proven that the information given by the bidder is incorrect.
 - (c) In case of a successful Bidder, if the Bidder fails:
 - to execute the supply within the stipulated time.
 - if the items are not as per the specifications.
10. The University may, for any reason, whether suo-moto or in response to a clarification requested by a prospective bidder, modify the bidding documents by an amendment, any time prior to the last date for submission of bids.
11. Tenders received after due date, improperly sealed, or with incomplete marking or with overwriting/corrections are liable to be rejected.
12. During evaluation of bids, the University may, at its discretion, ask the Bidder for a clarification of its bid. The request for clarification and the response shall be in writing and no change in prices or substance of the bid shall be sought, offered or permitted.
13. All the item(s) supplied through this Tender shall be covered by a **warranty not less than one year**. During the period of warranty, no charges will be paid by the University on any kind of service or repairs carried out by the supplier.
14. The warranty period takes effect from the date of acceptance of the items by the University.
15. Failure of the successful bidder to comply with the requirements of the University shall constitute sufficient ground for the annulment of the award and forfeiture of the bid security, in which event the University may make the award to the next lowest bidder or call for new bids.

Compulsory Documents to be placed in the tender:

- a. GST Registration.
- b. EMD of Rs. 10,000/-
- c. DD of Rs. 500/-
- d. Experience proof documents in shape of supply orders of similar nature of work.

I/We hereby declare that the information furnished in this tender document by us is true and correct and also we have gone through the terms and conditions stipulated in the Tender Document and confirm to abide by the same. In case the provided information is found incorrect at any stage, the University may take appropriate action as warranted.

Name and sign of the authorized person of the firm along with seal

Place:

Date:

S No	Instrument	Specification	Rate/ Unit (exclusive GST)
1	Florescence Spectrophotometer	<p>Light Source: Xenon Lamp</p> <p>Optical System: Diffraction/holographic grating: 800 lines/mm or more</p> <p>Measuring Wavelength Range (Both Excitation and Emission side): 200 – 900 nm or better</p> <p>Sensitivity: S/N ratio 1000:1 (RMS) or better using Raman band of water, Excitation Wavelength 350 nm,</p> <p>Bandpass 5 nm or 3000:1 (RMS) or better using Raman band of water, Excitation Wavelength 350 nm,</p> <p>Bandpass 10 nm, response time 2 second</p> <p>Bandpass: Excitation & Emission side 2 to 20 nm or better</p> <p>Resolution: 1 nm or better</p> <p>Wavelength Accuracy: 1.0 nm or better</p> <p>Wavelength Scan Speed: Up to 60,000 nm/min or better</p> <p>Power Requirement: 220 – 240 V AC, 50 Hz</p> <p>Sample Cell: Quartz cells for liquid samples, standard cell (3 mL) – one pair</p> <p>The system should be complete in all respects to make it operational. It should be supplied with instruction manuals, original software, necessary cables and other required accessories</p> <p>Computer: Core i5 Processor or better, RAM 4GB or better, HDD: 1TB or better, Suitable online UPS with 30 minutes back up</p> <p>Warranty: One year</p>	
2	UV-Vis Spectrophotometer	<p>Double Beam</p> <p>Accuracy $\pm 0.005A$ at 1.0A; < 0.00025 at 0.0A or better</p> <p>Lamp Xenon flash lamp (5 years),</p> <p>Noise 0.00050 at 1.0 A; < 0.00080 at 2.0 A RMS at 260nm or better</p> <p>Range photometric -0.5 to 5.0 A ; -1.5 to 125 %T; ± 9999 or better</p> <p>Stray light < 0.08 %T at 220nm and 340nm; < 0.1 %T at 340nm and 400nm; < 1.0 %T at 198nm or better</p> <p>Wavelength accuracy ± 1.0nm or better</p> <p>Wavelength range 190 to 1,100nm or better</p> <p>Wavelength repeatability ± 0.5nm or better</p> <p>Wavelength scan speed 10 to 4,200nm/min. or better</p> <p>Wavelength slew speed 11,000nm/min. or better</p> <p>Connections: USB type A port for USB stick (front panel), USB type B port for computer (rear panel), USB type A port for printer (rear panel)</p> <p>Detector Type Dual silicon photodiodes</p> <p>Display Graphical with LCD backlight 9.7 x 7.1cm (3.8 x 2.8 in) or better</p> <p>Drift $< 0.0005A/hr$, Electrical requirement: 100 to 240V 50/60Hz</p> <p>Computer: Core i5 Processor or better, RAM 4GB or better, HDD: 1TB or better, Suitable online UPS with 30 minutes back up</p> <p>Warranty: One year</p>	
3	Freeze Dryer	<p>LCD touch screen. With USB interface to export the data.</p> <p>Large capacity ice condenser trap and without coil inside.</p> <p>With cascade refrigeration technology.</p> <p>Pre-freezing shelf used as guide barrel to speed up the drying rate.</p> <p>Ice condenser trap and operation panel made by stainless steel.</p>	

		<p>Drying chamber is transparent which is visual and safe.</p> <p>Shelves are stainless steel, which can be adjustable per the requirements</p> <p>Total loading capacity Capacity 1-2 ltr</p> <p>Temperature less or equal to -40°C or better</p> <p>Tray 4pcs</p> <p>Cooling system Air cooling</p> <p>Consumption -55°C 0.9 kw, 80°C: 1.5kw</p> <p>Vacuum pump , conical mouth flask , cold trap defrosting</p> <p>Loading capacity/shelf (liquid) 1L or better</p> <p>Power supply AC 220V 50/60Hz (single phase), 110V, 60 Hz(single phase)</p>	
4	Melting Point Apparatus	<p>Measuring Range of Melting point : Ambient to 300°C</p> <p>Resolution : 0.1°C</p> <p>Rate of heating($^{\circ}\text{C}/\text{min}$) : 0.2°C to $0.5^{\circ}\text{C}/\text{min}$</p> <p>Accuracy : $+0.5^{\circ}\text{C}$ upto 200°C, $+0.8^{\circ}\text{C}$ from 200°C to 300°C</p> <p>Heating time (50 to 300°C) : 3 mins</p> <p>Cooling time(300 to 50°C) : 5 mins</p> <p>Capillary sample tube size : OD 1.4mm, ID 1mm</p> <p>Power Supply : 220 V $\pm 10\%$, 50Hz, 100 Watt</p>	

List of the Glass ware

S.No.	Descriptions of Apparatus/Packing	Make	Rate/ Unit (exclusive GST)
1.	Burette stand with clamp	S.S	
2.	Pipette	Borosilicate	
	1ml		
	2 ml		
	5ml		
	Acipette (Micropipette) tips packet		
3	Beaker	Borosilicate	
	100 ml		
	250ml		
	500 ml		
	50 ml		
4.	Titration flask 250 ml	Borosilicate	
5	Measuring cylinder	Borosilicate	
	50 ml		
	10 ml		
	5 ml		
6	Pipette sucker		
7	Washing Brush		
8	Extension Clamp	iron	
9	Volumetric flask	Borosilicate	
	25 ml		
	50ml		
	100 ml		
10	Drying try 3 Pcs	Borosilicate	
11	Watch glass	Borosilicate	
12	Fmiley Alumunium foil 1 KG		
13	Glass funnel 100ml	Borosilicate	
14	China dish	Borosilicate	
15	Glass dropper	Borosilicate	
16	wire gauze		
17	Sand bath		
18	Test tube 12 holes stand 10-20 ml		
19	Rubber pipes for distillation	standard	
20	Condenser clamp	Stainless Steel	
21	Glass rods small (3 mm dia – 15 mm)	Borosilicate	
22	RB flask with spiral condenser 100ml		
	50 ml		
23	Water container with spigot for lab 5Gallon/20 liters		

24	Flat bottomed flask 3lt	Borosilicate	
25	Silicone oil		
26	Cuvette	Quartz	
27	Tripod stand 12"	Iron	
28	Glass vials with screw cap 20 ml	Borosilicate	
29	Tissue paper standard		
30	Acid proof gloves		
31	Litmus Paper (Blue, Red and Purple)		
32	Ordinary filter paper (pack of 100)		
33	Silver foil roll (1kg)		
34	Apendouff		
35	PH paper (1-14) 100 leaves		
36	Tissue paper (pack of 100) (Standard)	Merck Standard	
37	Wattman filter paper (pack of 100)		

List of the Chemicals

	Name of Chemical	Packing	MAKE	Rate/unit (exclusive GST)
1	Cobalt nitrate	500g	Merck	
2	Potassium bicarbonate	500g	Merck	
3	Glacial acetic acid	500ml	Merck	
4	Sodium nitrate	500mg	Merck	
5	Ammonia	500ml	Merck	
6	Ninhydrin	10 gm	Merck	
7	Dichloromethane	500g	Merck	
8	Ammonium carbonate	500g	Merck	
9	Ammonium thiocyanate	500g	Merck	
10	Ammonium dichromate	500g	Merck	
11	Ethanol	500ml		
12	Potassium oxalate(monohydrate	500g	Merck	
13	Potassium dichromate	500g	Merck	
14	Oxalic acid	500g	Merck	
15	Acetone	500ml	Merck	
16	Aazobenzene	25 gram	Merck	
17	Ammonia solution	500g	Merck	
18	sodium acetate	500 ml	Merck	
19	Ferrous sulphate	500g	Merck	
20	Ammonium sulphate	500g	Merck	
21	Rubyanic acid	5 gram		
22	Chloroform	500ml	Merck	
23	Acetone	500ml	Merck	
24	Methanol	500ml	Merck	
25	Carbon tetrachloride	500ml	Merck	
26	Pentane	500ml	Merck	
27	Cyclohexane	500ml	Merck	
28	Toluene	500 ml	Merck	
29	Isopropanol	500m	Merck	
30	Cyclohexane	500ml	Merck	
31	Butanol	500ml	Merck	
32	Ethyl Acetate	500ml	Merck	
33	Petroleum Ether	500ml	Merck	
34	Acetic acid	500 ml	Merck	
35	Formaldehyde 40 percent	500 ml	Merck	
36	Zinc carbonate	500 gram	Merck	
37	Cadmium nitrate	500 g	Merck	
38	Diethyl ether	500m l	Merck	
39	Zinc nitrate	500 g	Merck	
40	Barium chloride	500 g	Merck	
41	Phenolphthalein indicator	125 ml	Merck	
42	Copper acetate	100g	Merck	
43	Magnesium nitarte	100g	Merck	
44	Chromium nitrate	100g	Merck	
45	Nickel acetate	100g	Merck	

46	Sodium nitrite	100g	Merck	
47	4-aminophenol	25G	Merck	
48	4-aminobenzonitrile	25G	Merck	
49	4-nitroaniline	25G	Merck	
50	p-Anisidine	25G	Merck	
51	4-Amino-N-methylphthalimide	25G	Merck	
52	Cobalt acetate	100g	Merck	
53	o- Phenenthroline	25g	Merck	
54	Trisodium citrate	500 g	Merck	
55	Ethyl Methyl Ketone	500 ml	Merck	
56	Thiourea	500 g	Merck	
57	Ferric chloride	500 g x2	Merck	
58	Ninhydrin reagent	125 ml	Merck	
59	Butanol	500 ml	Merck	
60	Lead nitrate	250gm	Merck	
61	Strontium nitrate	25gm	Merck	
62	Cerium nitrate	25gm	Merck	
63	Lanthanum nitrate	25gm	Merck	
64	Thorium nitrate	25gm	Merck	
65	Aluminium nitrate	25gm	Merck	
66	Stannous chloride	25gm	Merck	

Note:-

- 1. Bidders shall quote rates including of all charges including installation, freight etc. but excluding GST which shall be paid as applicable at the time of supply of items.**
- 2. The supply order shall be issued as per requirement of the university.**

Name and sign of the authorized person of the firm along with seal

Place:

Date: