



सत्यमेव जयते

**Government of West Bengal**  
**OFFICE OF THE PRINCIPAL :: TAKI GOVERNMENT COLLEGE**  
**P.O. Taki, North 24 Parganas, Taki-743429, West Bengal**  
**Phone: (03217)-234474; Fax: (03217)-234566; Website: <http://www.tgc.ac.in/>**



ESTD. 1950

REF.:NIT/16/G-51

Date: 28.01.2022

## NOTICE INVITING TENDER

**WORK NAME:** PROCUREMENT, SUPPLY AND INSTALLATION/COMMISSION (WHEREVER NECESSARY) OF LABORATORY EQUIPMENT FOR DEPARTMENT OF CHEMISTRY, PHYSICS, ZOOLOGY AND ENGLISH OF THE TAKI GOVERNMENT COLLEGE

Online E-Tender is invited by the Officer-in-Charge, Taki Government College for supplying different Laboratory Equipment **FOR DEPARTMENT OF CHEMISTRY CHEMISTRY, PHYSICS, ZOOLOGY AND ENGLISH** by the eligible vendors, bonafied outsiders for the Financial Year 2021-2022. Interested vendors may follow the instructions as given below for submission of their tenders in online mode. **Price should be quoted in INR currency inclusive of all taxes.**

Collection and Submission of Quotation is to be made online through the website <http://wbtenders.gov.in> only)

### List of Items to be Purchased:-

Sl. No.	ITEM DESCRIPTION
C.1	<b>Rotary Evaporator with Chiller</b> <b>For Rotary Evaporator:</b> Rotary Bottle: 1L 24# (standard mouth); 1L 35# (standard mouth); Condenser: Vertical $\phi 85 \times 460$ mm, 29# (standard size); Rotary Speed: 0-120 rpm; Vacuum: 0.098 Mpa; Temp. Range: RT~400°C; Stroke Height: 120mm; Rotary Power: 30W; Heating Power: 1.5KW; Shelf Material: Stainless steel; Chamber Material: SS 250 *140mm; Plate size: 280 *330mm; Power Supply: AC220/110V $\pm 10\%$ , 50/60Hz. <b>For Chiller:</b> Tank Volume: 6L; Tank Material: Stainless Steel; Circulating Pump Flow: 20L/Min; Pump Lift: 4feets; Temp. Control Range: -10 to RT; Circulation Pump Power: 100W; Power Supply: AC220V
C.2	<b>Digital pH meter</b> [Syntronics Digital pH meter 335]
C.3	<b>Digital Potentiometer</b> [Equiptronics Digital potentiometer EQ 602]
C.4	<b>Digital Conductivity meter</b> [Syntronics Conductivity meter 304]
C.5	<b>Digital Photoelectric Colorimeter</b> [Syntronics Digital Colorimeter 112]
C.6	<b>Polarimeter</b> [Eastern Instruments]
C.7	<b>Hot air oven</b> [45 L Stainless Steel Chamber 14×14×14 inch]
C.8	<b>Magnetic Stirrer with hot plate</b> [Max heating temp upto 100°C, speed range: 0-2200 rpm, Stirring capacity: 2L]

<b>C.9</b>	<b>Melting point apparatus</b> [to determining melting point upto 350°C, 3 capillary tube with one mercury thermometer holding capacity]
<b>C.10</b>	<b>Digital water bath</b> [Inner chamber with Lid: Stainless Steel; Outer Chamber: Mild Steel duly powdered coated, Power: 220V/50Hz, Holes Diameter: 75 mm, Number of holes: 8]
<b>C.11</b>	<b>Double Distillation set up</b> [borosilicate glass table top horizontal model, Power: 220V/50Hz, Capacity: 5L]
<b>C.12</b>	<b>Oil free suction pump</b> [borosilicate glass filtration flask, capacity one litre vacuum pipe, oil free vacuum pump 15 litre]
<b>C.13</b>	<b>Ultrasonic Cleaner</b> [3L with Lid, Inner and outer body made up of stainless steel, Timer setting with LED display, overheat protector, cooling fan, moisture proof, <b>40khz frequency</b> ]
<b>C.14</b>	<b>Micropipette</b> (200µl and 1ml) [complete set with calibration certificate]
<b>C.15</b>	<b>Fume hood</b> [complete set up; construction material should be made of either stainless steel or plastic]
<b>E.1</b>	<b>Hand mike</b> (Ahuja or Philips)
<b>E.2</b>	<b>Vacuum Cleaner</b> (Philips)
<b>P.1</b>	<b>To estimate the Wavelength &amp; Velocity of Ultrasonic Waves in a Liquid by Studying the Diffraction through Ultrasonic Grating</b> [Complete Set]
<b>P.2</b>	<b>To Study the Polarization of Light for Air-Glass Interface</b> [Complete Set]
<b>P.3</b>	<b>To verify Fresnel's formula for reflection of polarized light incident on a dielectric interface</b> [Complete Set]
<b>P.4</b>	<b>To estimate the Boltzmann Constant using V-I characteristics of PN Junction Diode</b> [Complete Set]
<b>P.5</b>	<b>To determine the Refractive Index of Glass &amp; Liquid by Total Internal Reflection (TIR) using Wollaston's Air – Film</b> [Complete Set]
<b>P.6</b>	<b>To analyze Elliptically Polarized Light by Babinet's Compensator</b> [Complete Set]
<b>P.7</b>	<b>To measure the Dielectric Constant of Dielectric Materials with Variable Frequency</b> (SES Make) [Complete Set]
<b>P.8</b>	<b>To study the characteristics of a Ferroelectric Crystal</b> (SES Make, Model DEC-01) [Complete Set]
<b>P.9</b>	<b>To determine the Temperature Coefficient of a Semiconductor using NTC Thermistor</b> (SES Make) [Complete Set]
<b>P.10</b>	<b>To Measure the Susceptibility of Paramagnetic Solution</b> (Quinck's Tube Method) (SES Make, Model QTX-01) [Complete Set]
<b>P.11</b>	<b>To Measure the Magnetic Susceptibility of Solids</b> (SES Make, Model-GMX-01) [Complete Set]

<b>P.12</b>	<b>Determination of Refractive Index of a Dielectric Film using Surface Plasmon Resonance (SPR)</b> (SES Make, Model DC-600) [Complete Set]
<b>Z.1</b>	<b>Binocular</b> (Built-in dioptric correction, Anti-reflective lens coating, High quality finish with a rubber grip coating, Central focus knob, UV protection)
<b>Z.2</b>	<b>pH METER HPG 5 point system with LCD</b> (Microprocessor based pH meter, 5 point calibration, with large LCD display with manual/auto temperature compensation, Range: pH: 0 to 14.00, mV: 0 to $\pm$ 1999; Accuracy: pH: $\pm$ 0.02, pH $\pm$ 2 Temp. comp.: 0 to 100°C Auto; Power required: 230 V AC $\pm$ 10% 50 Hz)
<b>Z.3</b>	<b>Sonicator Bath</b> (Inner tank and outer body Stainless steel , Digital display with timers, ceramic heaters with, cooling fan, , Heating temp: 0-80°C, Frequency: 40kHz Capacity: 12 lit)
<b>Z.4</b>	<b>MAGNETIC STIRRER</b> (Digital display with various size magnets. 2 lt. capacity)
<b>Z.5</b>	<b>Microwave Oven</b> (Convection type, 28 lit capacity, Samsung type)
<b>Z.6</b>	<b>BALANCE: precision 10 mg to 200mg</b> (Capacity: 1000gm, Readability: 0.01gm(10mg), Technology: Load Cell, auto external calibration. LCD display, Tare Range: full)
<b>Z.7</b>	<b>BALANCE: precision 0.10 mg to 10mg</b> (Alternatively Capacity: 220gm, Readability: 0.0001gm (0.1mg), tare range: full, auto calibration during startup, touch screen display)

### 1. General Instructions:

In the event of e-tendering, intending bidder may download the tender documents from the website: <http://wbtenders.gov.in> directly with the help of Digital Signature Certificate (DSC).

### 2. Submission of bids:

Both Technical bid and Financial Bid are to be submitted concurrently duly digitally signed by the Company personnel who is in the pay roll of the Company (having Authorization from the Company management) in the website <http://wbtenders.gov.in>. All papers must be submitted in English language. The Technical document and Financial Bid should be submitted online on or before as per the 'Date & Time Schedule' stated in SL.No.-10.

### 3. The eligibility criteria are given below: -

- a. The Rate should be quoted as per specification including All Taxes, Packaging and Delivery charges (if any).
- b. The delivery should be made to the Convener, Purchase Committee or to the Office of the undersigned within 15 days from date of issuance of supply order.
- c. The rates should remain valid for the period up to 31<sup>st</sup> March 2022, subject to actual market price.
- d. The tender should be submitted in the proforma enclosed herewith.
- e. The violation of any of the conditions will entitle cancellation of the order.
- f. Photocopy of Income Tax return for the last 3 Financial years, GST Registration certificate, PAN No., Current Trade license and P.Tax (2020-21), credentials will have to be submitted.
- g. The tender inviting authority shall verify the above mentioned documents (In original) which are mandatory for the participation before issuance of the work order.
- h. The prospective bidders as a primary agency should have satisfactorily completed the supply to any Government or private Organisation for at least three (03) years.

- i. **The bidders are to submit the tender papers item-wise.**
- j. Payment of bills on its production will be made after successful supply of the items within reasonable time.
- k. The tender bid will be outrightly rejected if it comes to the notice of the tender inviting authority during scrutiny that the credential or any other paper of a bidder is fabricated etc.
- l. The undersigned reserves the right of accepting or cancelling the tender without assigning any reason.
- m. Professional Tax clearance certificate & Pan Card, GST Certificate, Credentials should be uploaded (Scanned Copy).
- n. To qualify for a Package of contracts made up of this and other contracts for which bids are invited in the NIT, the bidder must demonstrate having experience and resources sufficient to meet the aggregates of the qualifying criteria for individual contracts.
- o. **No conditional / Incomplete Quotation will be accepted under any circumstances.**

**4. Delivery of the articles to be made by the agency to Taki Govt College situated at “Taki, Hasnabad, District : North 24 Parganas , Pincode : 743429, West Bengal”**

5. Payment of **Rs. 30,000.00 as Earnest Money Deposit(EMD)** will be through Online Payment Mode either through NEFT/RTGS OR NET BANKING as per **Finance order No 3975F(y) Dated : 28/07/2016.**

6. My Document (Non-Statutory Cover) containing as follows:

Sl No.	Category	Sub category	Sub category Description
1.	Certificates	Certificates	PAN Card of the Bidder GST Registration Certificate
2.	Company Details	Company Details	Trade License/Enlistment Certificate Registration with Registrar of Companies Memorandum of Articles for Limited Companies. Import License with validity (for importers) Certificate of country of origin Registered Partnership Deed (for Partnership firms)
3.	Credential	Credential 1	Copy of the purchase order for supplying similar nature of items at least for last 3 years in an Institute of Higher Learning Brief User List preferably for users in West Bengal in an Institute of Higher Learning
4.	Financial Information	Payment Certificate	Income Tax Returns submitted for the Assessment Year 2018-19 Income Tax Returns submitted for the Assessment year 2019-20 Income Tax Returns submitted for the Assessment year 2020-21

**7. Disposal of Disputes:** In case of any dispute, the College's decision will be treated as the final and conclusive. All legal actions are subject to Kolkata jurisdiction only.

**8. Inspection:** Before submitting the tender, the intending tenderers should thoroughly acquainted themselves with the proposed supply and installation by local inspection of site and make into consideration the site condition and other criterion for effecting smooth supply. No claim whatsoever will be entertained afterwards.

**9. Discretion of the College:**

- a. College may take decision about non-purchase of the said equipment even after selection of vendor due to its fund constraints.
- b. College may seek documents from the bidder in addition to the scanned documents sent by them at the time of uploading technical bid for verification and evaluation of tender.
- c. College reserves the right to relax any clause as stated hereinabove for selection of responsive vender.

**10. Date and Time Schedule of the E-tender:**

Sl. No.	Particulars	Date & Time
1	Date of uploading of N.I.T. & other Documents (online) (Publishing Date)	31-01-2022 after 5:00 PM
2	Documents download /sale start date (Online)	31-01-2022 after 5:00 PM
5	Bid submission start date (On line)	31-01-2022 after 5:00 PM
6	Documents download /sale end date (Online)	14-02-2022 after 1:00 PM
7	Bid Submission closing (On line)	14-02-2022 after 1:00 PM
8	Bid opening date for Technical Proposals (Online)	17-02-2022 After 1:00 PM

Principal/Officer-in-Charge  
Taki Government College

## ANNEXURE I

### FURNISHING BASIC INFORMATION

(To be furnished in the Company's official letter pad)

<b>1</b>	<b>Name of the Bidder</b>	
<b>2</b>	<b>Address for Communication</b>	
<b>3</b>	<b>Contact Number(s)</b>	
<b>4</b>	<b>E-mail ID</b>	
<b>5</b>	<b>Trade Licence No. (Please enclose copy of Trade Licence)</b>	
<b>6</b>	<b>PAN(Please enclose copy of PAN Card)</b>	
<b>7</b>	<b>GST No.(Please enclose copy of GST)</b>	
<b>8</b>	<b>Do you have previous experience for supplying similar nature of Items at Educational Institute of Higher Learning (Please enclose copy of Purchase order &amp; user list, if yes)</b>	<b>Yes/No (Please put tick mark)</b>
<b>9</b>	<b>Annual Turnover as per Audited P/L ACCOUNTS &amp; BALANCE SHEET</b>	<b>2018-19 : Rs..... 2019-20 : Rs..... 2020-21 : Rs..... Average Annual Turnover: Rs.....</b>
<b>10</b>	<b>Status of the bidder(Please enclose copy authenticating your status)</b>	<b>Manufacturer/Dealer/Distributor/Selling Agent/Stockiest (Please put tick mark)</b>

I hereby declare that the above information is true and correct to the best of my knowledge and belief. In case of any false/wrong/misleading information, I shall be bound to take the decision taken by the College.

Signature of the Bidder

(With Seal)

## ANNEXURE II

### APPLICATION FOR TENDER

(To be furnished in the Company's official letter pad with full address and contact no, E mail address etc)

To  
The Principal/Officer-in-Charge  
Taki Government College  
Govt. of West Bengal  
Taki, Hasnabad, North 24 Parganas  
PIN-743429

Sub: NIT for the Supply of **different Equipment** for the Department of Chemistry of Taki Government College

Ref: - \_\_\_\_\_ N.I.T. No .....dated .....

Sir,

Having examined the pre-qualification & other documents published in the N.I.T, I /we hereby submit all the necessary information and relevant documents for evaluation:

1. That the application is made by me / us on behalf of .....  
.....in the capacity ..... duly authorized to submit the offer. The authorization letter from the Company is attached in Annexure II.
2. We accept the terms and conditions as laid down in the tender document vide **Clause 9** and declare that we shall abide by it throughout the tender period including its extensions, if any.
3. We have gone through the Tender Document thoroughly and quoted the tendered items keeping in mind all sorts of information as furnished in the tender document including Corrigendum/Addendum as published from time to time
4. We are offering rate for the following item /items with manufacturing capacity and assured supply to the Taki Government College.

Sl. No.	Description of Items	Make	Model No.	Quantity	Offer Validity

5. In the event of being selected, I will make the supply within the stipulated period excepting the condition which is beyond our control.

Date :

Signature of applicant (with official seal)  
including title and capacity in which application is made.  
Contact no:  
E-mail address:  
Postal Address::

**ANNEXURE III**

(Authorization letter in favour of the applicant (other than Managing Director/  
Proprietor/Partner) from the competent authority.)

**FORMAT**

(To be furnished in the Company's official letter pad with full address and contact no, E mail  
address etc)

(TO WHOM IT MAY CONCERN)

This is to certify that Mr..... (Name),  
employee of this Organisation as ..... (Official Designation)  
is hereby authorised to submit tender online , Vide NIT No.....Dated .....  
on behalf of the Organisation.

Signature of the competent authority with Seal

.....  
(Signature of the Authorised Person)

Signature of Mr.....  
.....is hereby attested.

Signature of the competent authority with Seal



**ANNEXURE IV**

(Affidavit Proforma)

(To be furnished in Non – Judicial Stamp paper of appropriate value duly notarized)

I, Sri/Smt. ....

The Managing Director/Proprietor (etc.) of the Firm.,

.....(Name of the firm)

At (address).....

do hereby solemnly affirm and declare as follows:

1. That I have not ever been convicted of any offence making myself liable to be disqualified to supply of Chemicals / Equipments/other items to any Govt. or Govt. undertaking Organization /Institution in the State of West Bengal or other State or States.
2. That no case is pending against me or against my firm in any criminal court of law to supply IT related Equipments / Chemicals / Lab. Chemicals & Laboratory Equipments and other items to the Govt. or Govt. undertaking Organization / Institution in the State of West Bengal or other State or States ( If any case is pending, state the details ).
3. That, I also declare that if any information subsequently found incorrect or false will it automatically render the tender submitted by me cancelled and make me liable for penal/legal action as per law of the country.
4. That my concern has not yet been declared bankrupt by any banking or money lending agency duly licensed by RBI nor has it been considered doubtful by any Government concern so far as the solvency of the organisation is concerned.
5. That I do further affirm that the statements made by me in this tender are true to the best of my knowledge and belief and all the documents attached are genuine & correct.

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Signature of applicant including title  
and capacity in which application is made and  
the name of the Firm with Seal.

**ANNEXURE – V**

UN-PRICED BOQ

Sl. No.	ITEM DESCRIPTION	Compliance (Yes/No)
<b>C.1</b>	<b>Rotary Evaporator with Chiller</b> <b>For Rotary Evaporator:</b> Rotary Bottle: 1L 24# (standard mouth); 1L 35# (standard mouth); Condenser: Vertical $\phi$ 85*460mm,29#(standard size); Rotary Speed: 0-120 rpm; Vacuum: 0.098 Mpa; Temp. Range: RT~400°C; Stroke Height: 120mm; Rotary Power: 30W; Heating Power: 1.5KW; Shelf Material: Stainless steel; Chamber Material: SS 250 *140mm; Plate size: 280 *330mm; Power Supply: AC220/110V $\pm$ 10%,50/60Hz. <b>For Chiller:</b> Tank Volume: 6L; Tank Material: Stainless Steel; Circulating Pump Flow: 20L/Min; Pump Lift: 4feets; Temp. Control Range: -10 to RT; Circulation Pump Power: 100W; Power Supply: AC220V	
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<b>C.5</b>	<b>Digital Photoelectric Colorimeter</b> [Syntronics Digital Colorimeter 112]	
<b>C.6</b>	<b>Polarimeter</b> [Eastern Instruments]	
<b>C.7</b>	<b>Hot air oven</b> [45 L Stainless Steel Chamber 14×14×14 inch]	
<b>C.8</b>	<b>Magnetic Stirrer with hot plate</b> [Max heating temp upto 100°C, speed range: 0-2200 rpm, Stirring capacity: 2L]	
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<b>C.11</b>	<b>Double Distillation set up</b> [borosilicate glass table top horizontal model, Power: 220V/50Hz, Capacity: 5L]	
<b>C.12</b>	<b>Oil free suction pump</b> [borosilicate glass filtration flask, capacity one litre vacuum pipe, oil free vacuum pump 15 litre]	
<b>C.13</b>	<b>Ultrasonic Cleaner</b> [3L with Lid, Inner and outer body made up of stainless steel, Timer setting with LED display, overheat protector, cooling fan, moisture proof, <b>40khz frequency</b> ]	
<b>C.14</b>	<b>Micropipette</b> (200 $\mu$ l and 1ml) [complete set with calibration certificate]	
<b>C.15</b>	<b>Fume hood</b> [complete set up; construction material should be made of either stainless steel or plastic]	
<b>E.1</b>	<b>Hand mike</b> (Ahuja or Philips)	
<b>E.2</b>	<b>Vacuum Cleaner</b> (Philips)	
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Signature of applicant including title  
and capacity in which application is made and  
the name of the Firm with Seal.