



Government of West Bengal

# Government General Degree College, Keshiary

Office of the Principal

P.O. – TilaboniMahisamura, Dist. – PaschimMidnapur, Pin 721135

www.ggdckeshiary.ac.in

## Notice Inviting Qualification-cum-Tender (2 cover system)

**Memo.no.261/GGDCK/18,Date: 05.10.2018**

For and on behalf of **Government General Degree College, Keshiary**, P.O. TilaboniMahisamura, Dist. – PaschimMidnapur, Pin 721135, the Officer-in-Charge, **Government General Degree College, Keshiary**, invites online item rate e-tenders for each of the following works by two cover system. Pre-qualification documents in a separate cover and Bid document with BOQ rate in another cover are to be submitted by the qualified Suppliers, Seller, Manufactures and any other eligible Bidders who satisfy the terms and conditions set out in pre-qualification document e-tender for the work detailed in the table below. (Submission of Bid through online)

1.	Name of work	:	<b>Supply of various laboratory equipment for Undergraduate classes</b>
2.	Name and Address of the Office	:	<b>Office of the Principal Government General Degree College,Keshiary P.O. – TilaboniMahisamura, Dist. – PaschimMidnapur, Pin 721135</b>
3.	Quotationers who are eligible to submit Quotation	:	Reputed resourceful, Experienced & <i>bona-fide</i> registered Agencies

Intendingbiddersmay downloadtenderdocumentsfrome-procurementportalof Govt. website [www.wbtenders.gov.in](http://www.wbtenders.gov.in). The pre-qualification and bid documents dulyfilledinalrespectshouldbe submittedon-linethroughoure-portalfrom(as perServer Time).**Government General Degree College, Keshiary, PaschimMedinipur PIN 721135 does not take any responsibility for the delay caused due to non-availability of Internet connection or traffic jam etc. for on-line bids.** Theamount of Earnest Money should be deposited by **Demand Draft** in favour of **GOVERNMENT GENERAL DEGREE COLLEGE, KESHIARY** payable at **KESHIARY**. Payment made otherwise will be rejected. Hard copies of the technical proposals andBid documents should also be submitted to **GOVERNMENT GENERAL DEGREE COLLEGE, KESHIARY** along with **DD** as per schedule.

The financial bid document of the technically qualified bidders will be opened for evaluation and selection of qualified bidders will be declared after Technical evaluation and the other bid documents will be unopened. No separate intimation will be given for this, unless the above date is changed. In case of change of date, due intimation will be given in News dailies/ College Website. No individual intimation will be given. Name of the qualified bidders will be displayed in the **office notice board & College Website**.

**The Officer-in-Charge, Government General Degree College, Keshiary reserves the right to reject or cancel any or all pre-qualification documents and bid document without assigning any reason whatsoever.**

**The eligibility criteria are given below:-**

1. The rate should be quoted as per specification Including of All Taxes. **The college does not possess any DSIR Certificate.**
2. The delivery should be made at the office of the undersigned within 15 days from date of issuance of supply order.
3. The rates should remain valid for the period up to March 2019. The rates once accepted will not be changed under any circumstances.
4. The tenders should be submitted in the proforma enclosed herewith.
5. The violation of any of the conditions will entitle cancellation of the order.
6. **Photocopy of the documents to be submitted at Government General Degree College, Keshiary (as hard copy of the technical proposals) as mentioned in the Non-Statutory cover from serial number (a) to (g) should be notarized.**
7. The successful bidder(s) has/have to submit a bank guarantee @ 10 % of the work order value to the tender inviting authority before getting the work order.
8. Payment of bills on its production will be made after successful supply and installation of the items subject to the availability of fund and no claim, whatsoever will be entertained for any delay of payment
9. Neither any mobilization advance nor any secured advance will be allowed.
10. **Refund of EMD:** The Earnest money deposit of all the unsuccessful bidders will be refunded on receipt of application from the respective bidders addressed to the office of the Principal, **Government General Degree College, Keshiary**. No interest will be paid by the tender accepting authority.
11. The bidders should submit his credentials and EMD in one single Technical document and the rates quoted as per financial document (BOQ) in a separate two cover system. The credential will be examined after the credential are checked and the qualified financial bid will be opened only for the qualified bidder on the same day.
12. The tender bid will be summarily be rejected with a forfeiture of the earnest money if it comes to the notice of the tender inviting authority during scrutiny that the credential or any other papers of a bidder is/are fabricated etc.
13. The undersigned reserves the right of accepting or cancelling the tender without assigning any reason at any stage of tender processing.

14. Sales Tax & Professional Tax clearance certificate & Pan Card, GST Certificate, EMD, bid document, credentials should be furnished by the bidder by due date..
15. 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 quote for items having ISO certification. They must demonstrate having experience and resources sufficient to meet the aggregates of the qualifying criteria for individual contracts.
16. Purchase will be made subject to availability of fund and on the basis of actual requirement. Manufacturer/Stockist/Wholesale dealer/Govt. agency/Wholesale Co-Operative/WBSIDC/WEBEL will get preference.

## 17. **TECHNICAL PROPOSAL**

**The Technical proposal to be submitted in the following two covers (Folders):**

**(A-1). Statutory Cover Containing:**

**Scanned Documents are to be uploaded by the Bidders:-**

- (a) EMD (virus scanned)
- (b) N.I.T. (virus scanned and digitally signed; bidders should upload the NIT with a statement exhibiting their desire to bid for specific items asked for and their concurrence with technical specification)

**Non-Statutory Cover Containing:**

**Following Scanned Documents [from item (a) to (g) photocopies notarized] are to be uploaded virus scanned and digitally signed by the Bidder:-**

- (a) West Bengal GST Registration /PAN/P. Tax Clearance Certificate.
- (b) Income Tax Acknowledgement Receipt for last assessment year.
- (c) Trade License etc.
- (d) Registration Certificate under Company Act. (if any).
- (e) Registered Deed of Partnership Firm/Article of Association & Memorandum.
- (f) Power of Attorney (For Partnership Firm/ Pre-GST e Limited Company, if any).

- (g) Business authorization (desirable).  
(h) Catalog depicting bid items quoted for

Sl. No.	Category Name	SubCategory	Details	Remarks
A	CERTIFICATES	CERTIFICATES	1. West Bengal GST Registration / PAN/P. Tax Clearance Certificate 2. Income Tax Acknowledgement	
B	COMPANY DETAILS	COMPANY DETAILS	1. Proprietorship Firm (Trade License) 2. Partnership Firm (Partnership Deed, Trade License). 3. Ltd. Company (Incorporation Certificate, Trade License) 4. Power of Attorney	
C	CREDENTIAL	CREDENTIAL	1. Certificate of credential of the NIT Similar Nature of Work Done & Completion Certificate/Payment Certificate	
D	Declaration	Declaration	1. Business authorization (desirable) 2. Catalog depicting bid items quoted for	

Note:-Failure in submission of any of the above mentioned relevant documents under will render the tender liable to summarily berejected for both statutory & non statutory cover.

18. Date and Time Schedule:

Sl. No	Particulars	Date & Time
1	Date of uploading of N.I.T. & other Documents (online) (Publishing Date)	15.10.2018
2	Documents download/sell start date (Online)	15.10.2018 12:30 P.M.
4	Bid submission start date (Online)	15.10.2018 12:30 P.M.
5	Bid Submission closing (Online)	05.11.2018 10:00 A.M.
6	Last Date of submission of the original copies of the Tender Documents and Earnest Money Deposit (Offline)	05.11.2018 UPTO 2:00 P.M.
7	Bid opening date for Technical Proposals (Online)	08.11.2018 2:30 P.M.

**Officer-in-Charge,**

**Government General Degree College, Keshiary**

**Paschim Medinipur PIN 721135**

# Specifications

Sl. No.	Instrument name	Specifications
1	Sonicator	Min 500 watt generator Sample volume – 10-100ml LCD screen with user prompts; Real-time alphanumeric display Programmable operation – Set time and amplitude for hands free operation Pulse mode - Prevent heat buildup in temperature sensitive samples Digital amplitude/intensity control – Output intensity can be set from 20-100% Elapsed time indicator – Displays duration of sonication, Display of wattage and joules – Real-time energy monitoring Overload protection – Prevents damage to circuitry if a fault occurs Safety – Use of lead free components
2	Spinwin Micro Centrifuge	<ul style="list-style-type: none"> <li>▪ Built in power supply</li> <li>▪ Digital display of time &amp; RPM</li> <li>▪ Variable Speed (RPM) 1000 - 10000 rpm with speed controller</li> <li>▪ Standard 6 places Rotor for 1.5 ml tubes</li> <li>▪ Spare 12 places Rotor for 0.5 ml. tubes</li> <li>▪ 2 Years Warranty</li> </ul>
3	Tissue homogenizer	<ul style="list-style-type: none"> <li>▪ Stirring shaft 8mm x 275mm</li> <li>▪ Fitted with Teflon grinding pestle</li> <li>▪ AC/DC 1/8 HP Motor; Speed range 300 -6000 rpm</li> <li>▪ Digital speed indicator</li> <li>▪ Glass homogenising cup with rod supplied of 5 ml, 15 ml, 25 ml. &amp; 100 ml.</li> <li>▪ Warranty on Motor 2 years or more; Stand and other accessories</li> </ul>
4	Stereozoom Microscope fitted with microscope Camera	<ul style="list-style-type: none"> <li>▪ Ergonomic and compact design for user convenience</li> <li>▪ UIS2 Plain infinity optical system</li> <li>▪ Built-in transmitted illumination system (6 v 20 watt halogen bulb) with intensity regulating system</li> <li>▪ Stage height movement system with coarse movement stroke 20mm and fine 2.5µm</li> <li>▪ Fixed quadruple nosepiece</li> <li>▪ 4x, 10x, 40x, and 100x anti fungal objectives</li> <li>▪ 5x, 10x and 15 x antifungal eyepiece</li> <li>▪ Wire movement mechanical fixed stage</li> <li>▪ Single specimen holder</li> <li>▪ 2 years and above manufacturing warranty</li> </ul> <p><b>Camera specification:</b></p> <ul style="list-style-type: none"> <li>▪ 10M C – Mount CMOS Camera</li> <li>▪ Aptina Sensor with Large Pixel Size(1.67 µm x 1.67 µm)</li> <li>▪ Max resolution 3584 x 2748( Approx. 10,000,000 Pixels)</li> <li>▪ Scan Mode progressive</li> <li>▪ With Fixed and Adjustable microscope adaptor</li> <li>▪ Software for viewing in PC</li> <li>▪ Support Microsoft Windows 7/8/10/ (32 &amp; 64 bit)</li> </ul> <p>Warranty of 2 years and above</p>
5.	Double beam UV-VIS Spectrophotometer	<ul style="list-style-type: none"> <li>• Stand-alone operation &amp; complete control through PC with UV Software</li> <li>• High visibility colour touch panel with stylus</li> <li>• Best in class scan speed up to 29,000 nm/min for highspeed</li> </ul>

		<p>Kinetic studies</p> <ul style="list-style-type: none"> <li>• Inspection items compliant with USP&amp; EP to validation function.</li> <li>• True double beam optics with Czerny – Turner mounting for high energy throughput and high quality monochromatic light</li> <li>• Wide wavelength range of 1,100 nm to 190 nm</li> <li>• High resolution 1 nm spectral bandwidth over entire wavelength range</li> <li>• Wavelength accuracy of +0.5nm for D2 spectral line</li> <li>• Wavelength reproducibility of + 0.1nm</li> <li>• Wide Photometric range of -4 to +4 Abs and 0 to 400 %T</li> <li>• High Photometric Accuracy of <math>\pm 0.002</math> Abs at 0.5 Abs</li> <li>• High Photometric Repeatability of <math>&lt;\pm 0.001</math> Abs at 0.5 Abs</li> </ul> <p>Attachments:</p> <ol style="list-style-type: none"> <li>1. Power Cable for 240 V 2.4m</li> <li>2. 500 <math>\mu</math>l. sample in 1 ml cuvette and 2 ml in 4 ml cuvette.</li> <li>3. UV Software (File Edition, English) must have control through computer (PC) attached with Spectrophotometer computer (PC) with UV-Vis Software)</li> </ol>
6.	Single phase Servo voltage stabilizer	<ul style="list-style-type: none"> <li>• Capacity: 10 KVA</li> <li>• Input voltage: 150-270 V</li> <li>• Output voltage: 230 V</li> <li>• Input waveform(necessary for 1% regulation): sinusoidal, total distortion less than 5%</li> <li>• Supply frequency 47-53 Hz</li> <li>• Wave form distortion: NIL</li> <li>• Effects of load power factor: NIL</li> <li>• Speed of correction: upto 35 volts per second</li> <li>• Satiability of output voltage 220 to 240 V</li> <li>• 24 Months Warranty</li> <li>• Installation charges inclusive</li> </ul>
7	Inverter with 12V Battery along with requisite installation charge	<ul style="list-style-type: none"> <li>• Square Wave</li> <li>• 24 Months Warranty</li> <li>• Charges battery with full current even at 95 Volt</li> <li>• In-Built Battery Gravity Builder</li> <li>• 3 Modes Battery Charger</li> <li>• Powerful Charger</li> </ul> <p>The price should be quoted including installation charges and necessary electrical circuit points rearrangement</p>
8	Borosil Water double distillation system	<ul style="list-style-type: none"> <li>• Distillation units-All glass, Double, with built in heater, Horizontal Type Distilled</li> <li>• water output capacity: 2.5 lt./hr.</li> <li>• Electrical requirements: 230-250 Volts Single phase 2.5X2.2 kw</li> <li>• Cooling water consumption: 100 lt/hr</li> <li>• Biological activity: Pyrogen free</li> <li>• pH: 6.9-7; Conductivity S/cm: <math>&lt;1 \times 10^{-6}</math>;</li> <li>• Distillate Temp: 65-75°C</li> <li>• <b>Accessories</b></li> <li>• Standard accessories: Distillation Appartus Power Supply (DAPS), output 2.5 lit</li> <li>• Borosilicate Boiler with Water laveler, capacity 2.5 lit</li> </ul>

		<ul style="list-style-type: none"> <li>• Condenser, capacity 2.5 lit</li> <li>• Quartz B-50 HTR, capacity 2.5 lit</li> <li>• With 2Years warranty</li> </ul>
9	Cold centrifuge	<p>Connected Load : 1.75 KVA</p> <ul style="list-style-type: none"> <li>- Max. Speed : 20000 RPM</li> <li>- Max. ECF : 34500 xg.</li> <li>- Max. Tube Size : 100 ml.</li> <li>- Max. Capacity : 400 ml.</li> <li>- Soft Touch Keypad.</li> <li>- Brushless low noise AC Induction Motor and Inverter Drive.</li> <li>- Programmable Microprocessor control</li> <li>- 25 program memory.</li> <li>- Programmable Acceleration / Deceleration - range 4 - 450 seconds.</li> <li>- Dynamic brake.</li> <li>- Digital Speed indicator.</li> <li>- CFC free cooling with pre-cooling &amp; standby cooling facility.</li> <li>- Digital temperature indicator - temperature range - 20° C to + 40° C.</li> <li>- Working temperature - 10° C to + 40° C.</li> <li>- 1-99 minutes Digital timer &amp; infinite mode.</li> <li>- Solenoid safety lock.</li> </ul> <p><b>SAFETY :</b></p> <ul style="list-style-type: none"> <li>- Imbalance detection &amp; safety switch off.</li> <li>- Safety Lid Switch.</li> <li>- Chamber made of Stainless Steel.</li> <li>- Supplied with 2 nos. rotor head(swing out rotors and rotor for 1.5 &amp; 2 ml tubes) and Servo Stabilizer.</li> </ul> <p>CERTIFICATIONS CE Mark Manufactured by an ISO-9001 company With 2Years warranty and 4years compressor warranty</p>
10	Horizontal Mini Gel Electrophoresis	<p><b>Electrophoresis System</b></p> <p>Electrophoresis Gel sandwich size 10.0 cm wide 8 to 10.5 cm long</p> <p>No. of wells- Min 10</p> <p>Comb; 10 well, 1.5 mm thick Comb; 15 well, 0.75 mm thick</p> <p>Max. tank volume 1.6 liters with one module in place 1.4 liters with two modules in place</p> <p>Max. voltage 600 V</p> <p>Max. wattage 25 W per electrophoresis module</p> <p>Max. operating temp. 75 °C</p> <p>Chemical compatibility: for use only with dilute aqueous solutions between pH 2 and pH 10.</p> <p>Environmental operating Indoor use: 4-40 °C conditions Humidity up to 80%</p> <p>Dimensions (w / d / h) 19.2 / 17.2/ 18.8 cm (7.6/ 6.8 /7.4 in.)</p> <p>Buffer Volume : 450ml max.</p> <p>Number of casting Tray : 2</p> <p>Number of Combs : 8-wells 1.5mm thickness comb (Well Width-5mm,Interspace-3mm) (2 Nos.)</p> <p>3-wells 1.5mm thickness comb (Well Width-18mm,Interspace-4mm) (1 No.)</p> <p>13-wells 1.5mm thickness comb (Well Width-5mm,Interspace-5mm) (2 Nos.)</p> <p>18-wells 1.5mm thickness comb (Well Width-4mm,Interspace-3mm) (2 Nos.)</p> <p>Comb Capacity (5mm Deep Well) : 37µ-l,132µ-l,30µ-l</p> <p>Connecting Cord : Red and Black (Each One)</p> <p>No. of Platinum electrodes : Positive and Negative (Each One)</p> <p>Buffer Chamber with Safety Lid : 1 No.</p> <p>Gel Caster</p> <p><b>Electrophoresis Power Supply</b></p> <p>Output range : (programmable) 0-300 V, fully adjustable in 1 V steps , 200 mA,</p>

		<p>fully adjustable in 1 mA steps  Type of output : Constant voltage or constant current with automatic crossover  Output terminals : 3 pair recessed banana jacks in parallel  Timer : 1 min–999 min , fully adjustable  Start /Stop Function : Yes  Display : LCD  Operating conditions : 0–40°C, 0–90% humidity in the absence of condensation  Safety features : No-load detection, sudden load change detection, overload/short-circuit detection,  Input protection : Fuse on both hot and neutral  Input power (actual) : 220 VAC/50hz  With 2 years apparatus warranty and 2 yrs power supply warranty.</p>
11	Hood for bacterial Culture	<p>Horizontal air flow  Hood cabinet dimension (L/B/H -3 ft/2ft/3ft)  Cabinet floor stainless steel work surface, sidewise molded wood.  Hepa filter mandatory, most efficient 0.4 µm Particles.  Ultra-Violet, UV Light: UV-C sanitation light with manual switch.  Supported with movable wheels underneath.  Power outlet: Hospital Grade dual power outlet, built-in.</p>
12	B. O. D. Shaker Incubator	<p>Unit: Cabinet Made of double walled 304 Quality Stainless Steel, interior, exterior made of mild steel finished in non-corrosive paint.  Unit mounted on Castor Wheels for easy mobility.  Insulation: The walls are insulated with a thick layer of glass wool on all sides including the door frame.  Door: A full length inner Plexi Glass door with a latch. The outer insulated metal door fitted with a magnetic gasket and lock.  Blower: A blower mounted on the top of the chamber for uniformity of the temperature.  Shaker: Brushless Induction Motor driven shaking system along with Electronic AC frequency drive and.  Control: Microprocessor based PID Temperature Indicator Cum Controller and Indicating Lamps and a safety fuse device and Digital RPM Meter for shaking.  Cooling &amp; Heating: Hermetically sealed compressor, coupled with an evaporation coil and fan cooled condenser at the bottom to provide the cooling for below ambient temperatures. Refrigeration Coil is conveniently placed between the two walls of the inner &amp; outer chamber extending from the top to the back of the working chamber. Heating through long lasting sealed heaters for temperatures above ambient conveniently placed inside the working chamber completely shielded for protection against sample spills</p> <p>Temperature Range : 5°C to 60°C Indication Resolution: +/- 0.1 Deg. C.  Control Accuracy: +/- 0.8 Deg. C or better for PID Control System at 25 Deg. C. Senser: Pt-100 type.  RPM: 50 to 200/250 RPM Continuously variable &amp; settable  Trays: Suitable to rest on shaking device capable to take suitable load. 06 cuft (170 liter), [a] 16 Flask of 250ml. or [b] 09 Flask of 500ml or <b>4 flasks of 2L.</b>  Power: 220 Volts, AC, single Phase. CERTIFICATIONS CE Mark  Manufactured by an ISO-9001 company  With 2Years warranty with 4years compressor warranty;  With supporting Stabilizer, adjustable stainless steel selves/rack</p>



