



Government of West Bengal

Government General Degree College, Keshiary

Office of the Principal

P.O. – Tilaboni Mahisamura, Dist. – Paschim Midnapur, Pin 721135

www.ggdckeshiary.ac.in

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

Memo no. 161/GGDCK/18,

Date:13.07.2018

For and on behalf of **Government General Degree College, Keshiary**, P.O. – Tilaboni Mahisamura, Dist. – Paschim Midnapur, 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	:	Supply of various laboratory equipment listed below
2.	Name and Address of the Office	:	Office of the Principal Government general Degree College at Keshiary P.O. – Tilaboni Mahisamura, Dist. – Paschim Midnapur, Pin 721135
3.	Quotationers who are eligible to submit Quotation	:	Reputed resourceful, Experienced & <i>bona-fide</i> registered Agencies

Intending bidders may download tender documents from e-procurement portal of Govt. website www.wbtenders.gov.in The pre-qualification and bid documents duly filled in all respect should be submitted on-line through our e-portal from **(as per Server Time)**. **Government General Degree College, Keshiary, Paschim Medinipur 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. **The amount of Earnest Money and Bid document should be deposited by Demand Draft in favour of GOVERNMENT GENERAL DEGREE COLLEGE, KESHIARY payable at Keshiary, Paschim Medinipur payment made otherwise will be rejected.**

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. 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.
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 tender 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 Income Tax return for the last Financial year, GST Registration certificate valid for the current Financial year, PAN No., Trade license renewed for the current Financial year, credentials.
7. The tender inviting authority shall verify the above mentioned documents (in original) which are mandatory for the participation before issuance of the work order.
8. The tenderer may deposit the tender papers for items
9. Payment of bills on its production will be made after successful supply of the items subject to availability of fund and no claim, whatsoever will be entertained for any delay of payment
10. Neither any mobilization advance nor any secured advance will be allowed.
11. Refund of EMD. The Earnest money of all the unsuccessful tenderers will be refunded through on receipt of application from the tenderer to the office of the Principal, **Government General Degree College, Keshiary**. The Earnest money deposited by the successful tenderer will be converted into security deposit. No interest will be paid by the tender accepting authority.
12. The tenderer 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 .If required any technical paper may be present during the opening of tender papers.
13. The tender bid will be out rightly rejected with a forfeiture of his earnest money if it comes to the notice inviting authority during scrutiny that the credential or any other papers of a tenderer are fabricated etc.
14. The undersigned reserves the right of accepting or cancelling the tender without assigning any reason.
15. Sales Tax & Professional Tax clearance certificate & Pan Card, GST Certificate, (Xerox copy) paying slip of (EM, bid document), credentials should be furnished (Scan Copy).
16. 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.
17. 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.
18. **TECHNICAL PROPOSAL**

The Technical proposal to be submitted in the following two covers (Folders): (A-1).

Statutory Cover Containing:

Following Scanned Documents are to be uploaded virus scanned and digitally signed by the Bidders:-

- (a) EMD
- (b) N.I.T.

Non-Statutory Cover Containing:

Following Scanned Documents 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 / PriGSTe Limited Company, if any).
- (g) Product Specific Authorization Are Mandatory.**
- (h) Catalog**

Sl. No.	Category Name	Sub Category Description	Details	Remarks
A	CERTIFICATES	CERTIFICATES	1. West Bengal GST Registration / PAN / P. Tax Clearance Certificate 1. Income Tax Acknowledgement Receipt	
B	COMPANY DETAILS	COMPANY DETAILS	1. Proprietorship Firm (Trade License) 1. Partnership Firm (Partnership Deed, Trade License). 2. Ltd. Company (Incorporation Certificate , Trade License) 3. Power of Attorney 4. Society (Society Registration copy, Trade License)	
C	CREDENTIAL	CREDENTIAL	1. Certificate of credential of the NIET Similar Nature of Work Done & Completion Certificate/Payment Certificate	
D	Declaration	Declaration	1. Product Specific Authorization Are Mandatory. 2 . Catalog.	

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

19. Date and Time Schedule:

Sl. No.	Particulars	Date & Time
1	Date of uploading of N.I.T. & other Documents (online) (Publishing Date)	13.07.2018
2	Documents download/sell start date (Online)	13.07.2018 6:55 P.M.
4	Bid submission start date (On line)	13.07.2018 6:55 P.M.
5	Bid Submission closing (On line)	03.08.2018 2:00 P.M.
6	Last Date of submission of original copies for the cost of Tender Documents and Earnest Money Deposit (Off line)	06.08.2018 UP TO 2:00 P.M.
7	Bid opening date for Technical Proposals (Online)	06.08.2018 2:30 P.M.

**Officer-in-Charge,
Government General Degree College, Keshiary
Paschim Medinipur PIN 721135**

Specifications

Sl. No.	Instrument name	Specifications																														
1	Double beam UV-VIS Spectrophotometer, (Preferably New Shimadzu model: UV-1900)	<p>Stand-alone operation & complete control through PC with LabSolutions UV Software High visibility color touch panel with stylus♣ Best in class scan speed up to 29,000 nm/min for high♣ speed Kinetic studies Inspection items compliant with USP♣ & EP to validation function. True double beam optics with Czerny – Turner♣ mounting for high energy throughput and high quality monochromatic light Wide wavelength range of 1,100 nm to 190 nm♣ High resolution 1 nm spectral bandwidth over entire♣ wavelength range Wavelength accuracy of +0.5nm for D2 spectral line♣ Wavelength reproducibility of + 0.1nm♣ Wide Photometric range of -4 to +4 Abs and 0 to 400 %T♣ High Photometric Accuracy of + 0.002 Abs at 0.5 Abs♣ High Photometric Repeatability of♣</p> <p>Attachments:</p> <ol style="list-style-type: none"> 1. Power Cable for 240 V 2.4m 2. Lab Solutions UV Software (File Edition, English) 3. UV 10mm Cell GS Kit includes 10mm Quartz UV cells, Matched Pair (With transmission certificate) and Micro fibre Cleaning Cloth 4. Constant-Temperature Cell Holder P/N 202-30858-44 <p>Maintains a sample cell and reference cell at a desired, uniform temperature, by circulating constant-temperature water. Temperature range: 5°C to 90°C (depends on the performance of the constant-temperature water circulator) Cell holder: Accepts a pair of 10-mm square cells. Connecting joint outer diameter: 6 mm and 9 mm (two levels)</p>																														
2	Digital pH Meter (Elico/ Systonics etc.)	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td colspan="2" style="text-align: left;">pH</td> </tr> <tr> <td style="width: 60%;">Range</td> <td>0 to 14</td> </tr> <tr> <td>Readability</td> <td>0.01</td> </tr> <tr> <td>Accuracy</td> <td>± 0.01</td> </tr> <tr> <td>Repeatability</td> <td>± 0.01</td> </tr> <tr> <td>Stability</td> <td>± 0.05 in 8 hrs</td> </tr> <tr> <td colspan="2" style="text-align: left;">EMF in mV</td> </tr> <tr> <td>Range</td> <td>± 1999</td> </tr> <tr> <td>Resolution</td> <td>1</td> </tr> <tr> <td>Accuracy</td> <td>± 0.1% of Range or ±2 counts</td> </tr> <tr> <td>Repeatability</td> <td>± 1</td> </tr> <tr> <td colspan="2" style="text-align: left;">SENSOR INTERFACE</td> </tr> <tr> <td>Input Impedance</td> <td>>1012 Ohm @ 25°C</td> </tr> <tr> <td>Receptacle</td> <td>BNC</td> </tr> <tr> <td colspan="2" style="text-align: left;">TEMP. COMPENSATION</td> </tr> </table>	pH		Range	0 to 14	Readability	0.01	Accuracy	± 0.01	Repeatability	± 0.01	Stability	± 0.05 in 8 hrs	EMF in mV		Range	± 1999	Resolution	1	Accuracy	± 0.1% of Range or ±2 counts	Repeatability	± 1	SENSOR INTERFACE		Input Impedance	>1012 Ohm @ 25°C	Receptacle	BNC	TEMP. COMPENSATION	
pH																																
Range	0 to 14																															
Readability	0.01																															
Accuracy	± 0.01																															
Repeatability	± 0.01																															
Stability	± 0.05 in 8 hrs																															
EMF in mV																																
Range	± 1999																															
Resolution	1																															
Accuracy	± 0.1% of Range or ±2 counts																															
Repeatability	± 1																															
SENSOR INTERFACE																																
Input Impedance	>1012 Ohm @ 25°C																															
Receptacle	BNC																															
TEMP. COMPENSATION																																

		0 to 100°C Manual
		ASSY. POTENTIAL CORRECTION
		±100 mV with 1 turn potentiometer
		ACCESSORIES SUPPLIED
	With Instrument	Stand with Electrode holding clamp, Buffer tablets and Polythene Bottles.
	At extra Cost	Combination pH Electrode, pH Glass Electrode, Calomel Reference Electrode.
3.	Micropipette (Preferably: Tarson)	0.2-2µl 2-20µl 10-100µl 1-5 ml
4.	Water double distillation System (Preferably Borosil)	Distillation units-All glass, Double, with built in heater, Horizontal Type Distilled water output capacity: 2.5 lt./hr. Electrical requirements: 230-250 Volts Single phase 2.5X2.2 kw Cooling water consumption: 100 lt/hr Biological activity: Pyrogen free pH: 6.9-7; Conductivity S/cm: <1X10 ⁻⁶ ; Distillate Temp: 65-75°C Accessories Standard accessories: Distillation Appartus Power Supply (DAPS), output 2.5 lit Borosilicate Boiler with Water laveller, capacity 2.5 lit Condenser, capacity 2.5 lit Quartz B-50 HTR, capacity 2.5 lit
5.	Single phase Servo voltage stabilizer (Preferably: Sen and Pandit)	Capacity: 10 KVA Input voltage: 150-270 V Output voltage: 230 V Input waveform(necessary for 1% regulation): sinusoidal, total distortion less than 5% Supply frequency 47-53 Hz Wave form distortion: NIL Effects of load power factor: NIL Speed of correction: upto 35 volts per second Settability of output voltage 220 to 240 V
6	B. O. D. Shaker Incubator (Preferably: NOVA, YOMA)	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 & Heating: Hermetically sealed compressor of EMERSON (KIRLOSKAR) / GODREJ MAKE, 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 & 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>Temperature Range : 5°C to 60°C Indication Resolution: +/- 0.1 Deg. C.</p> <p>Control Accuracy: +/- 0.8 Deg. C or better for PID Control System at 25 Deg. C.</p> <p>Senser: Pt-100 type.</p> <p>RPM: 50 to 200/250 RPM Continuously variable & settable</p> <p>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.</p> <p>Power: 220 Volts, AC, single Phase.</p> <p>CERTIFICATIONS</p> <p>CE Mark</p> <p>Manufactured by an ISO-9001 company</p> <p>With 2Years warranty with 4years compressor warranty; With supporting Stabilizer, adjustable stainless steel selves/rack</p>
7	<p>UV - VIS Spectro – photometer (Preferably: Beckman,UK/ Systronics/Lab India)</p>	<ul style="list-style-type: none"> · Microprocessor based, stand alone unit. · Interactive menu driven operation. · 20 x 4 alphanumeric LCD display. · Automatic source optimization. · Automatic base line correction. · Facility for automatic cuvettes matching. · 190 - 1100 nm range. · 2 nm bandwidth. · Measuring modes %T, ABS, CONC by K-factor and Multi-standards. · Single / Multi wavelength and Spectrum / Time Scan operating modes. · Data processing (Stand-alone) : Peak-pick, 1st derivative. · Data processing (through optional PC): Peak-pick, point-pick, expansion / overlaying / averaging / subtraction / 1st to 4th derivatives of spectras, besides storage and retrieval of data. · Automatic 5-position sample changer. · 500 µl. sample in 1 ml cuvette and 2 ml in 4 ml cuvette. <p>Technical Specifications:</p> <p>OPTICS: Modified Czerny-Turner Monochromator geometry for better aberration correction with Holographic Grating of 1200 lines/mm blazed at 250nm; Glass Filters automatically positioned to eliminate grating spectral order interference.</p> <p>WAVELENGTH: Range: 190 to 1100 nm · Resolution: 0.1 nm · Accuracy: ± 1 nm · Repeatability: ± 0.5 nm · Bandwidth: < 2 nm.</p> <p>PHOTOMETRIC: Range: 0 to 2.5 A · Accuracy: ± 0.005 A at 1A · Repeatability: ± 0.002 A at 1A · Photometric Drift: Better than 0.001A/hr. after 2 hr. warm-up.</p> <p>STRAY LIGHT: Less than 0.1% T at 200 and 370 nm.</p> <p>BASELINE FLATNESS: ± 0.2% Typically (± 0.5% max.), after 20 min. of warming up.</p> <p>OPERATING MODES:</p> <ul style="list-style-type: none"> * Single Wavelength, measuring % T, ABS, and CONC (using upto 5 standards). * Multi Wavelength (upto 8 wavelengths), measuring % T, and ABS. * * Spectrum Scan, measuring % T, and ABS. * Time Scan, measuring % T, and ABS. <p>SCAN SPEED: Low, Medium and High</p> <p>DATA INTERVAL: Depends on wavelength-scan-span and scan-speed ∴ LOW: 0.2 nm upto 100 nm span with 0.2 nm added for every additional 100 nm of span (-- offering 1.6 nm interval for a 800 nm span). · MED : Double of Low speed. · HIGH : Triple of Low speed.</p>

		<p>SAMPLE HOLDER: 5 - position for 10 mm cuvette, automatically positioned. MINIMUM SAMPLE VOLUME (TYPICAL): 2 ml in 4 ml cuvette -500µl in 1 ml cuvette - SOURCE: · Tungsten Halogen Lamp: 320 nm to 1000 nm. · Deuterium Lamp: 200 nm to 340 nm, Facility to change over between 320-340 nm. DETECTOR: UV-enhanced wide range solid state photodiode. DISPLAY: 20-character, 4 line (20x4) backlit alphanumericLCD KEYBOARD: 18 keys (11 numeric and 7 functional), soft tactile. DIMENSION (mm): 560 (W) x 425 (D) x 205 (H). WEIGHT: 21 Kg. Approx. POWER: 230V, ±10% 50/60 Hz. ACCESSORIES: Two 10 mm path length Quartz cuvettes matched within ± 0.3%, UV transparent plastic cuvette (2mm and 10mm pathlength) for 50µl to 2ml sample volume. Kolkata based service centre More than 100 installations of the same brand spectrophotometer in India should be present</p>
8	Cold Centrifuge (Preferably: Eltake/ Remi/ Plastocraft)	<p>Connected Load : 1.75 KVA - Max. Speed : 20000 RPM - Max. ECF : 34500 xg. - Max. Tube Size : 100 ml. - Max. Capacity : 400 ml. - Soft Touch Keypad. - Brushless low noise AC Induction Motor and Inverter Drive. - Programmable Microprocessor control - 25 program memory. - Programmable Acceleration / Deceleration - range 4 - 450 seconds. - Dynamic brake. - Digital Speed indicator. - CFC free cooling with pre-cooling & standby cooling facility. - Digital temperature indicator - temperature range - 20° C to + 40° C. - Working temperature - 10° C to + 40° C. - 1-99 minutes Digital timer & infinite mode. - Solenoid safet lock. SAFETY : - Imbalance detection & safety switch off. - Safety Lid Switch. - Chamber made of Stainless Steel. Supplied with 2 nos rotor head (swing out rotors and rotor for 1.5 & 2 ml tubes) and Servo Stabilizer. CERTIFICATIONS CE Mark Manufactured by an ISO-9001 company With 2Years warranty and 4years compressor warranty;</p>
9	Gel Documentation System (Preferably ORANGE/BIORAD)	<p>(Dark Hood, UV Transilluminator and Digital Camera) Hood consist of UV Transilluminator UV Transilluminator:302nm UV Filter Size: 21x26cm UV Cut off when door is open Dark chamber 8W reflectant light Door safety switch Built in with 16MP Digital Camera Manual Lens with 40x optical zoom Hi-speed USB connector Resolution :4608x3456(pixels) Camera Monitor size:7.5cm(3-in) diagonal ENVIRONMENTAL Temperature (operation) -5°C to 45 Basic 1D Gel Analysis Software</p>
10	Horizontal Gel Electrophoresis (Preferably ORANGE/BIORAD)	<p>Electrophoresis System Dimension : 25.5cm(L)x15.5cm(B)x7cm(H) Number of Samples : Upto 36</p>

	D)	<p>Buffer Volume : 450ml Number of casting Tray : 7x5cm,13x6cm,13x10cm (1 No. Each) Number of Combs : 8-wells 1.5mm thickness comb (Well Width-5mm,Interspace-3mm) (2 Nos.) 3-wells 1.5mm thickness comb (Well Width-18mm,Interspace-4mm) (1 No.) 13-wells 1.5mm thickness comb (Well Width-5mm,Interspace-5mm) (2 Nos.) 18-wells 1.5mm thickness comb (Well Width-4mm,Interspace-3mm) (2 Nos.) Comb Capacity (5mm Deep Well) : 37μ-l,132μ-l,30μ-l Connecting Cord : Red and Black (Each One) No. of Platinum electrodes : Positive and Negative (Each One) Buffer Chamber with Safety Lid : 1 No. Gel Caster Electrophoresis Power Supply Output range : (programmable) 0–300 V, fully adjustable in 1 V steps , 200 mA, 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</p>
11	Micro – centrifuge (Preferably Tarson/ Wesox/ Remi)	<ul style="list-style-type: none"> • Quiet And Reliable. • Small Foot Print Built In Power Supply • Digital Display of Time and RPM. • Max. Speed (RPM) 1000 - 10000 rpm • Standard 6 Place Rotor For 1.5 ml Tubes. • Spare 12 Place Rotor For 0.5 ml Tubes.
12	Lux meter (Preferably HTC/ Letron/ Metravi)	<p>Features Type of Product : Digital Lux Meter Range (Lux) : 0-400000 Range (Foot candles) : 40000 Fc Resolution : 0.1 Lux Accuracy : \pm5%+10 digit Sampling time: 1.5 Sec Battery Life200 - 250 hours Power Supply 9V Battery</p>
13	Hygro-meter (Preferably HTC/ Letron/ Metravi)	<ul style="list-style-type: none"> • Display Temperature, Humidity & Time simultaneously • $^{\circ}$C / $^{\circ}$F unit selectable • Memory of MAX / MIN Humidity & Temperature Readings • TIME in 12 AM/PM or 24 Hour Format mode, Date & Month Display • ALARM function and suitable for the Desk-top placing or Wall Hanging
14	Portable Digital Anemometer (Preferably Lutron instruments/HTC/ Metravi)	<p>Display 18 mm (0.7") LCD (Liquid Crystal Display), 3 1/2 digits. Measurement m/s (meters per second), Operating Temp. 0 C to 50 C Operating Humidity Less than 80 % RH. Air Velocity Sensor Conventional twisted vane arms and low-friction ball-bearing Power Supply DC 9V 006P,</p>
15	Psychrometer (Preferably: Bellstone/Mlab)	<p>Wet and dry Bulb</p>
16	Invertor with 12V Battery and labour charge	<p>Square Wave 24 Months Warranty Charges battery with full current even at 95 Volt In-Built Battery Gravity Builder 3 Modes Battery Charger</p>

		Powerful Charger
17	Binocular (Preferably GOR)	Standard 10-70 x 70 Zoom Binocular
18	Digital Voice Recorder (Preferably Sony ICD-UX560F)	with Built-in USB (Black)
19	Digital Voice IC Recorder (Preferably Sony ICD-PX240 MP3)	LCD screen; 4GB
20	Wall Type Pull Down Projector Screens (Preferably Elcor)	120 Inch – Diagonal, 6ft. Height X 8ft. Weidth in 4:3 Aspect Ratio
21	Body fat monitor (Preferably Omron)	
22	Binocular (Preferably Nikon MONARCH 5)	10x42 Binocular
23	Microtome (Preferably Spencer 820 model)	with i. one additional knife
24	Precision -20C refrigerator (Preferably Blue Star)	Digital display
25	Turbidometer (Preferably Systronics)	
26	Hood for bacterial culture/ Laminar air flow	With Hepa filter
27	Temperature controlled incubator shaker for culture	