

Tender Notice:

Sealed quotations are invited from vendors/suppliers/manufacturers to Repair, and Maintain various existing instruments as well as to Purchase some hardware, software etc. from various sanctioned RE and CE components of University Budget 2018-19 for the Department of Geography, The University of Burdwan. Sealed quotations must reach to the Head of the Department, Department of Geography, The University of Burdwan, Golapbag, Burdwan- 713104 within 25.01.2018 by 17.00 hrs.

Tender Number	Items	Tasks to be done and Tenders are invited from Vendors and Suppliers
R.E. 2/GEO/BB_2018	R.E. 2. Repair & Maintenance of Equipment	10 nos of Theodolites
		4 DO Meters
		2 Electrical Conductivity Meter
		Digital Sound Level dB Meter 30dB - 130 dB
R.E. 3A/GEO/BB_2018	R.E. 3A. Repair & Maintenance of Laboratories, Instrument Room & Class Room	One Class room to be repaired and renovated to 'Smart Class Room'
		Floor of Remote Sensing Laboratory
R.E. 2/GEO/BB_2018	R.E. 3B. Maintenance of Gardens, Orchid House, Net House, etc.	Flower Garden is to be developed and maintained; No tender is required for this
R.E. 4A/GEO/BB_2018	R.E. 4A. Repair & Maintenance of Computer & Peripherals (including Up-gradation)	12 nos of Computer is to be upgraded
		4 nos of Printers to be repaired
R.E. 4C/GEO/BB_2018	R.E. 4C. Repair & Maintenance of LCD Projector	3 LCD Projectors are to be mend
R.E. 5A/GEO/BB_2018	R.E. 5A. Repair & Maintenance of A.C. Refrigerator	3 ACs to be repaired
		2 Refrigerators to be repaired
R.E. 5B/GEO/BB_2018	R.E. 5B. Repair & Maintenance of Xerox Machine & Fax Machine	One Xerox Machine is to be maintained
R.E. 7/GEO/BB_2018	R.E. 7. Repair & Maintenance of Furniture	20 nos of Tables and Chairs of the Teachers' room and Class room is to be repaired
		High and Low Benches of the Class room is to be repaired
R.E. 9A 3/GEO/BB_2018	R.E.9A.3. Conservation of rare maps etc. (Seminar Library)	Large Number of rare maps are to be laminated / Cloth Pasted
R.E. 9B/GEO/BB_2018	R.E. 9B. Repair, Maintenance, Modernization of Seminar Libraries	Seminar Library need to be renovated to keep the old books as well as to keep the new books
		Table top is to be repaired

Tender Number	Items	Tasks to be done and Tenders are invited from Vendors and Suppliers
R.E. 11A/GEO/BB_2018	R.E. 11A. Technical Aids including Teaching Aids (includes purchase of technical materials, glasswares', etc.)	Two smart boards to be repaired
		Glasswares' for the Soil, Geomorphology, Environment and Urban Laboratory
		Map (Photo/Poster) Printing Papers in Roll
		Up-gradation of the Public Address System (PAS) in the Smart Conference Room and Smart Class Rom
R.E. 11B/GEO/BB_2018	R.E. 11B. Chemicals	Chemicals for the Soil, Geomorphology, Environment and Urban Laboratory (Please see Separate List)
R.E. 11C/GEO/BB_2018	R.E. 11C. Computer Stationeries, Consumables & Antivirus	Antivirus for the 15 nos of Computer
		1 nos 2TB Hard Disks for office record Backups
		4 nos Printer Cartridges
		2 nos Printer Cartridges for Xerox Machine
R.E. 21/GEO/BB_2018	R.E. 21. Expenses for Educational Tours/Industrial Visit/Practical Training	We have 3rd Semester students and 6 special papers and we need to take full available amount from the University authority for its proper utilization
R.E. 22/GEO/BB_2018	R.E. 22. Workshop & Seminar	There shall be Workshops and full available amount is to be utilized.

Tender Number	Items	Tasks to be done and Tenders are invited from Vendors and Suppliers
C.E.3A/GEO/BB_2018	C.E. 3A. Equipment & Machinery	See Separate sheet for the detail requirements for the same (Annexure – I)
C.E.4/GEO/BB_2018	C.E.4. Computer Software	Computer Antivirus (Quick Heal)
C.E.5/GEO/BB_2018	C.E. 5. Computer & Peripherals	10 nos of new Computers to be purchased for the Computer Laboratories i3-7 th Gen processor, 4 GB RAM, 1-TB Hard Disk, 19" Monitor, Key Board and Mouse, Cabinet, 1KV UPS, Motherboard, along with Original MS Office and Windows -10
C.E.6A/GEO/BB_2018	C.E. 6A. A.C. Refrigerator (including costs of Stabilizers)	2 nos of 2 ton ACs for the Smart Class Room
C.E.11/GEO/BB_2018	C.E. 11. Furniture	Furniture for the HoD's Room; Chairs for Teachers' in the Class Room; Chairs for the new Teachers' High and Low Benches for the Class Rooms
C.E.14/GEO/BB_2018	C.E. 14. Preparation of Computer Room	The existing Computer lab is insufficient and new computer lab is to be prepare
C.E.17A/GEO/BB_2018	C.E. 17A. Overhead Projector/Slide Projector/L.C.D. Projector	One high end LCD projector is to be purchased for the 'Smart Class Room' (Annexure-II)
C.E.18/GEO/BB_2018	C.E. 18. Water Purifier cum Cooler	One high end 180 liter Water Purifier cum Cooler from reputed company (Annexure-III)
C.E.19/GEO/BB_2018	C.E. 19. Xerox Machine	One high end Color Xerox Machine should be purchased with buy back policy (Annexure-IV)

Tender Number	Name of Instruments	Specifications	Quantity
C.E.3A/GEO/BB_2018/1	Portable Digital Turbidity Meter	Range: 200-1000NTU, Resolution 0.01/0.1/NTU, Accuracy +3% of reading, Response 10 seconds, Power 1.5V	1
C.E.3A/GEO/BB_2018/2	Portable Digital Water Transparency Meter	Range: 0 to 2000 NTU, Accuracy: 5 - 10 NTU, Material: Glass	1
C.E.3A/GEO/BB_2018/3	Arsenic Testing Kit	Range: 0 to 5mg/l, Number of tests: 100	1
C.E.3A/GEO/BB_2018/4	HI98193 Waterproof Portable Dissolved Oxygen and BOD Meter	DO Range: 0 to 50mg/l, Resolution 0.01mg/l, Atmospheric Pressure Range: 450 to 850 mm of Hg, Resolution: 1 mm of Hg, Accuracy \pm 3 mm of Hg, Temperature Range: -20 to 120°C, Resolution: 0.1°	1
C.E.3A/GEO/BB_2018/5	HI98192 Waterproof EC/TDS/Resistivity/Salinity Meter	Conductivity Range: Upto 1000mS/cm, Resolution: 0.01 μ S/cm TDS Range: Upto 400gm/l (ppt), Salinity Range: Upto 400%	1
C.E.3A/GEO/BB_2018/6	Digital Flame-photometer	Range: Na, K,Ca, Li = Upto 100 ppm, Sensitivity: Upto 10 ppm, Accuracy: upto 5%, Silicon Photodiode Detector, 230V, +10%AC, 50 Hz	1
C.E.3A/GEO/BB_2018/7	Soil pH Meter	pH Range 0 -14, LCD Display	1
C.E.3A/GEO/BB_2018/8	Magnetic Stirrer	1 ltr Stirrer with Hot Plate, 150 V	1
C.E.3A/GEO/BB_2018/9	Soil EC/TDS/Temperature Combo Meter	Four Scales μ S, mS, ppm, ppt, EC to TDS Conversion Factors, Waterproof Housing, Automatic Temperature Compensation	1
C.E.3A/GEO/BB_2018/10	Electronic Distance Meter	Operating range: 0.05 to 60m, Accuracy: 1.5mm, LCD, 3 Line Illuminated Display, AAA Battery	1
C.E.3A/GEO/BB_2018/11	Electronic Current Meter	V-Tech, Cup Type, Metallic Base, Range: Upto 5m	1

C.E.17A/GEO/BB_2018	C.E. 17A. Overhead Projector/Slide Projector/L.C.D. Projector	One high end LCD projector is to be purchased for the 'Smart Class Room'
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Specifications:

Specifications of Main Parts				
LCD	Size	0.67" (D10)		
	Native Resolution	WUXGA		
Projection Lens	Type	No Optical Zoom / Focus (Manual)		
	F-Number	1.60		
	Focal Length	4.2mm		
	Zoom Ratio	1.0 - 1.35 (Digital Zoom)		
	Throw Ratio	0.27 - 0.37 (Wide to Tele)		
Light Source	Type	Lamp: 267W UHE	Lamp: 300W UHE	Laser Diode
	Life (Normal / Eco / Extended)	5,000 ¹ / 10,000 ¹ / N/A hrs		20,000 / N/A / 30,000 hrs
Screen Size (Projected Distance)		70" - 100" [40.5 - 59.3 cm] 90" screen 53cm		
Brightness ²				
White Light Output (Normal / Eco)		3,800lm / 2,900lm	4,400lm / 2,900lm	4,000lm / 2,800lm
Colour Light Output		3,800lm	4,400lm	4,000lm
Contrast Ratio		16,000:1		Over 2,500,000:1
Internal Speaker(s)		16W Mono x 1		
Sound Output		16W Mono x 1		
Geometric Correction				
Vertical / Horizontal Keystone		±3° / ±3°		
Quick Corner		Yes		
Connectivity				
Analog Input	D-Sub 15Pin	1 (Blue)		
	Composite	RCA x 1 (Yellow)		
Digital Input	HDMI	2 (HDMI 1: In common with MHL)		
Analog Output Terminal	D-Sub 15Pin	1 (Black)		
Digital Output Terminal	DVI-D	1 (HDCP contents are not supported)		
Audio Input	Stereo Mini Jack	2		
Audio Output	Stereo Mini Jack	1		
Others	USB Type A	2 (for USB Memory, Printer, USB Document Camera, Firmware Update, Copy OSD Settings)		
	USB Type B	1 (for USB Display, Mouse, K/B, Control, Interactive, Saving Data File to PC via Cable)		
Control I/O	RS-232C	D-Sub 9pin x 1		
	Interactive Sync	In x 1, Out x 1		
	Touch Unit Control	Mini DIN 8pin x 1		
	Remote	Stereo Mini x 1 (For Control Pad)		
Network	Wired LAN	RJ45 x 1 (100Mbps)		
	Wireless	Yes (ELPAP10 Included)		
Wireless Specification (Wireless LAN)				
Supported Speed For Each Mode		IEEE 802.11b: 11Mbps ³ , IEEE 802.11g: 54Mbps ³ , IEEE 802.11n: 130Mbps ³		
Supported Mode		Infrastructure, Access Point		
Wireless LAN Security		Quick Mode: WPA2-PSK Advanced Mode: WPA/WPA2-PSK, WPA/WPA2-EAP Supported EAP Type: PEAP, PEAP-TLS, EAP-TLS, EAP-Fast, LEAP		

C.E.18/GEO/BB_2018	C.E. 18.Water Purifier cum Cooler	One high end 180 liter Water Purifier cum Cooler from reputed company
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1. Hot, cold and room temperature water with about 10 litres large water tank
2. Immuno boost technology
3. Super fine sediment filter (< 5 microns)
4. Double Layer RO + UV Protection to ensure that you drink is absolutely safe water without any compromises.
5. Ultra high TDS removal of up to 96% so that despite high levels of dissolved impurities in the input water.

C.E.19/GEO/BB_2018	C.E. 19.Xerox Machine	One high end Color Xerox Machine should be purchased with buy back policy	1
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Specifications:

A3 Multifunction Printer cum Digital Copier - Colour

Device	A3 MFD - Colour	
Imaging System	Laser Dry Electrostatic Transfer System	
Memory	2 GB	Standard
Processor	800MHz dual processor (Shared)	
Network Interface	Ethernet (100Base-TX / 10Base-T), USB 2.0, Wi Fi, Mobile Print, Direct	
Push Scan feature	Send Kit	Standard
Secure Print	Print security Feature	Standard with 300 Dept ID
Touch Screen	Operation	Standard
Interface	USB 2.0, NW, WiFi, Mobile Printing	
Multiple Copies	1 to 999 sheets	
Magnification	25% to 400% (1% increment)	
Maximum Original Size	Max. upto A3 / 12" x 18"	
Duplex Print	Standard	
Copy / Print Speed	20ppm	
Resolution	Printing	1200 x 1200dpi
Paper Sources (80gsm)	Paper Cassette: 2 nos	Standard: 2 x 550 sheets paper capacity
	Stack Bypass:	Standard: 100 sheets paper capacity
Acceptable Paper Weights	Paper Cassette:	52 to 220gsm
	Stack Bypass:	52 to 300gsm max
Power Source	220 - 240V AC, 50 / 60Hz	
Maximum Power Consumption	Approx. 1.5kW, TEC 0.7	
Toner Yield (5% Coverage)	Approx. 36,000 sheets Black / 19,000 Colour (A4)	
Machine life	Min 10 Lac	
Print Specification		
PDL	Standard:	UFR II LT
Network OS	Windows 2000 / XP / Server2003 / Vista / Server2008 / Win7,	