GOVERNMENT GENERAL DEGREE COLLEGE SALBONI
GOVERNMENT OF WEST BENGAL

Office of the Principal

P. O. BHIMPUR DIST. PASCHIM MEDINIPUR

Memo No..190/Q2/Quotation **Date: 29/08/2022**

From
Officer-In-Charge
Government General Degree College Salboni

Quotation (F.Y.-2022-23)

Quotation/ Tender (F.Y. 2022-23) no 188/Q2/tender notice dated 25/08/2022 has been cancelled.
Sealed budgetary Quotations / estimates are invited from the competent authority for purchase /repair of the following articles for Government General Degree College Salboni within 7 days of publication. The detail list is enclosed as annexure and also in website- www.salbonigovtcollege.org). It is to be noted that after obtaining the administrative approval from higher authority procurement process shall start.

Sd/-

Officer-in-Charge
Government General Degree College Salboni

List of materials

1. Furniture (steel/wooden) (List attached, Annexure-)
2. Books and Journals for Bengali/History/English/Political Science/Philosophy/Sanskrit/Sociology/Santali/ Chemistry/ Physics/Mathematics. Percentage of discount shall be mentioned.
3. Computer/ Printers/ Scanner/UPS/ Wi-fi Adapter/laptop/Xerox machine and accessories (List attached, Annexure-)
4. Computer Software
5. Glass Partition for computer lab (List attached, Annexure-)
6. CCTV and accessories
7. Cooling machine/ Refrigerator ((List attached, Annexure-)
8. Sports Goods
9. Numbering of different Assets
10. Different teaching aids (List attached, Annexure-)
11. Networking package with WI FI facilities and installation
12. Office Automation Software and its installation
13. Library automation software and its installation in Cloud
14. Computer set
15. Barcode Reader and Color Printer
16. Library Almirah and adjustable 5-shelf metal shelving
17. Xerox Machine

18. Pedestal fan (Crompton greaves)
19. Chemical equipment's (Available from chemistry department) (List attached)
20. Instruments and Equipment's (Available from Physics Department) (List attached, Annexure-4)
21. Chemicals and glass goods (Available from chemistry/Physics department) (List attached)
22. Software for Mathematics and Physics department
23. Website design and hoisting and regular maintenance.

Furniture steel/ wooden (Annexure)

Sl. No.	Name of Articles	Brand	Quantity
1	Steel Almirah (6 locker)	Godrej	1 (History)
2	Steel Almirah (Normal)	Any	1 (Sanskrirt)
3	Steel Almirah (Normal)	Any	5 (Central Library)
4	Adjustable 5-shelf metal shelving	Any	10 (Central Library)
5	Laboratory table for Chemistry		03(Chemistry)
6	Working Table		10 nos
7	Computer Chair		10 nos
8	Computer Table		10 nos
9	Reagent Preparation Table		01 for Chemistry
10	Computer Table with wooden chair of standard size		for Chemistry

Computer and its accessories (Annexure)

Sl. No.	Name of Articles	Brand	Quantity
1	Computer Monitor 24 inch.(FHD) RAM-8 GB Intel core-i5 10th Generation, Graphics Card-Intel HD HDD-1TB, SSD-512 GB Windows 10 Mouse & Key Board	HP/DELL	Philosophy (1) Bengali (1) Sanskrit (1) Central Library(4) Office-4
2	UPS	Microtek/Zebronics	
3	Printer	HP/Canon	
4	Digital Class Board 85 inch	Samsung/LG	2 (Philosophy, Mathematics)
5			
6	Computer Scanner		
7	Bluetooth Speaker		
8	Cordless Microphone	Ahuja	
9	Extension Board		
10	External HDD 2TB	any	
11	Pen Drive-128GB	San Disk	
12	USB Multi Connector (4 Port)	any	
13	Head Phone with Microphone	BoAt	
14	Microphone	BoAt	
15	Wi-fi Adapter	TP link	2 (Sanskrit, Mathematics)

16	Inverter for lab	Any	
17	LCD Projector	Any	1 (Mathematics)
18	Barcode reader	Any	1 (Central Library)
19	Color Printer	Any	1 (Central Library)
20	Xerox Machine	Any	1 (Central Library)
21	Computer HP (UPS: 1500 VA, i5 8th Gen, Ram: 8GB, SSD 512 GB, Windows 10, Monitor 22'', keyboard, mouse)	HP/Dell	5Nos for Physics

Misc. Item Annexure-

Sl. No.	Name of Articles	Brand	Quantity
1	Big soft Notice Board		1 (Sociology)
2	Wall Magazine Board		1 (History)
3	Over Head Projector (OHP)	Any	1 (History, Chemistry)
4	Political Map of India (Ancient/Medieval/Modern)		1 (History)
5	Political Map of Europe and the World		1 (History)

Misc.Annexure

Sl. No.	Name of Articles	Brand	Quantity
1	AC 1.5 Ton	LG/Haier/Hitachi/Samsung)	1 (Mathematics)
2	AC 1.5 Ton	LG/Haier/Hitachi/Samsung)	2 (Central Library)

Annexure-

Sl. No.	Name of Articles	Brand	Quantity
1	Glass partition for Laboratory	any	1 (Mathematics)

Annexure- instrument for Physics department

Sl. No.	Instruments	Quantity
1	Computer HP (UPS: 1500 VA, i5 8th Gen, Ram: 8GB, SSD 512 GB, Windows 10, Monitor 22'', keyboard, mouse)	5
2	Complete setup for the study of Electron spin resonance-determine magnetic field as a function of the resonance frequency	1
3	Complete setup for the study of Zeeman effect: with external magnetic field; Hyperfine splitting	1
4	Complete setup to show the tunneling effect in tunnel diode using I-V characteristics	1
5	Complete setup for the study of quantum efficiency of CCDs	1

6	Complete setup for the measurement of susceptibility of paramagnetic solution (Quinck`s Tube Method)	1
7	Complete setup to measure the Magnetic susceptibility of Solids.	1
8	Complete setup to determine the Coupling Coefficient of a Piezoelectric crystal.	1
9	Complete setup to measure the Dielectric Constant of a dielectric Materials with frequency	1
10	Complete setup to determine the complex dielectric constant and plasma frequency of metal using Surface Plasmon resonance (SPR)	1
11	Complete setup to determine the refractive index of a dielectric layer using SPR	1
12	Complete setup to study the PE Hysteresis loop of a Ferroelectric Crystal.	1
13	Complete setup to draw the BH curve of Fe using Solenoid & determine energy loss from Hysteresis	1
14	Complete setup to measure the resistivity of a semiconductor (Ge) with temperature by four-probe method (room temperature to 150 o C) and to determine its band gap.	1
15	Complete setup to determine the Hall coefficient of a semiconductor sample.	1
16	Complete setup to verify the law of Malus for plane polarized light.	1
17	Complete setup to determine the specific rotation of sugar solution using Polarimeter.	1
18	Complete setup toanalyze elliptically polarized Light by using a Babinet’s compensator.	1
19	Complete setup to study dependence of radiation on angle for a simple Dipole antenna.	1
20	Complete setup to determine the wavelength and velocity of ultrasonic waves in a liquid (Kerosene Oil, Xylene, etc.) by studying the diffraction through ultrasonic grating	1
21	Complete setup to study the reflection, refraction of microwaves.	1
22	Complete setup to study Polarization and double slit interference in microwaves	1
23	Complete setup to determine the refractive index of liquid by total internal reflection using Wollaston’s air-film.	1
24	Complete setup to determine the refractive Index of (1) glass and (2) a liquid by total internal reflection using a Gaussian eyepiece.	1
25	Complete setup to study the polarization of light by reflection and determine the polarizing angle for airglass interface.	1
26	Complete setup to verify the Stefan`s law of radiation and to determine Stefan’s constant	1

27	Complete setup to determine the Boltzmann constant using V-I characteristics of PN junction diode.	1
28	Complete setup to design an Amplitude Modulator using Transistor.	1
29	Complete setup to study envelope detector for demodulation of AM signal.	1
30	Complete setup to study FM - Generator and Detector circuit.	1
31	Complete setup to study AM Transmitter and Receiver.	1
32	Complete setup to study FM Transmitter and Receiver.	1
33	Complete setup to study Time Division Multiplexing (TDM).	1
34	Complete setup to study Pulse Amplitude Modulation (PAM).	1
35	Complete setup to study Pulse Width Modulation (PWM).	1
36	Complete setup to study Pulse Position Modulation (PPM).	1
37	Complete setup to study ASK, PSK and FSK modulators.	1
38	Complete setup to determine output characteristics of a LVDT & measure displacement using LVDT	1
39	Complete setup for the measurement of Strain using Strain Gauge.	1
40	Complete setup for the measurement of level using capacitive transducer	1
41	Complete setup to study the characteristics of a Thermostat and determine its parameters.	1
42	Complete setup to study of distance measurement using ultrasonic transducer.	1
43	Complete setup to calibrate Semiconductor type temperature sensor (AD590, LM35, or LM75)	1
44	Complete setup to measure the change in temperature of ambient using Resistance Temperature Device (RTD).	1
45	Complete setup to create vacuum in a small chamber using a mechanical (rotary) pump and measure the chamber pressure using a pressure gauge.	1
46	Complete setup for comparison of pickup of noise in cables of different types (co-axial, single shielded, double shielded, without shielding) of 2m length, understanding of importance of grounding usingfunction generator of mV level & an oscilloscope.	1
47	Complete setup to design and study the Sample and Hold Circuit.	1
48	Complete setup to design and analyze the Clippers and Clampers circuits using junction diode	1
49	Complete setup to plot the frequency response of a microphone.	1
50	Complete setup to measure Q of a coil and influence of frequency, using a Q-meter.	1
51	Demonstration of training modules on solar energy, wind energy, etc	1
52	Conversion of vibration to voltage using piezoelectric materials	1
53	Conversion of thermal energy into voltage using thermoelectric modules.	1

54	Computer Table	5
55	Revolving Chair	5
56	Laboratory Table (2.5ft×6ft) with box	3
57	Electro Magnet for Hall Probe Experiment	01 pcs
58	0 - ± 12 volt Variable power supply for OPAMP	08 pcs
59	Power Supply for B-H loop	02 pcs
60	6 V DC variable source	05 pcs
61	2 V DC variable source	05 pcs
62	Constant Current Source variable up to 500 mA	05 pcs
63	Constant Current Source variable up to 100 mA	05 pcs
64	IC Regulated Power Supply 0 – 30 V	02 pcs
65	Function Generator	02 pcs
66	0-1 ohm fractional resistance box	02 pcs
67	0-5 ohm fractional resistance box	02 pcs
68	0-100 mA DC Ammeter	05 pcs
69	0-50 mA DC Ammeter	05 pcs
70	0-500 mA DC Ammeter	05 pcs
71	0-100 µA DC Ammeter	05 pcs
72	0-500 µA DC Ammeter	05 pcs
73	Bi-prism	01 pcs
74	Sodium lamp power supply	03 pcs
75	Mercury Lamp Power Supply	03 pcs
76	Discharge tube Power supply (Variable intensity)	02 pcs
77	Thermometer	05 pcs

78	Ballistic Galvanometer (Oxford)	03 pcs
79	Deadbeat Galvanometer (Oxford)	03 pcs
80	Variable Intensity He-Ne Laser Source	02 pcs
81	Table Galvanometer	05 pcs
82	Heating Mantle (1Kw)	02 pcs
83	Hotplate (2Kw)	02 pcs
84	Spike Blaster	05 pcs
85	Extension Cord 15A (2 point) and 5A (3 point)	05 pcs
86	Spirit level	05 pcs
87	30 MHz CRO (Scientific)	01 pcs
88	$FeSO_4$	04 pcs
89	Beaker 1000 ml (Borosil)	05 pcs
90	Beaker 500 ml (Borosil)	05 pcs
91	Beaker 250 ml (Borosil)	05 pcs
92	Beaker 100 ml (Borosil)	05 pcs
93	Beaker 50 ml (Borosil)	05 pcs
94	Measuring Cylinder 1000 ml (Borosil)	05 pcs
95	Measuring Cylinder 500 ml (Borosil)	05 pcs
96	Measuring Cylinder 250 ml (Borosil)	05 pcs
97	Measuring Cylinder 100 ml (Borosil)	05 pcs
98	Alcohol 1l	05 pcs
99	UPS: 1500 VA	3 pcs
100	Laser Jet Printer HP (Both side printer)	14

INSTRUMENTS For Chemistry	
Sl. No.	Product Description
1	Magnetic stirrer with hot plate (REMI) digitally controlled
2	Ultrasonicator
3	Immersion Pump
4	Top loading digital balance (WENSAR)
5	Heating Mantle 100 ml and 250 ml
6	Spectrophotometer UV-VIS (double beam) pc based
7	Colorimeter systronics 112
8	Oil free vacuum pump
9	Single beam spectrophotometer
LABORATORY INFRASTRUCTURE	
Sl. No.	Product Description
1	Computer Table with wooden chair of standard size
2	HP Pavilion(model TP01)
3	Scanner cum Printer (Canon, HP)
4	Working table
5	Reagent preparation bench
6	Electrical wiring in the laboratory
7	Projecter ceiling /wall mount kit with installation
8	LCD home cinema projecter
9	Reagent storing rack
10	Noise free exhaust fan

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