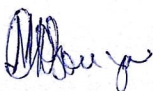


Tender Notice

Quotations are invited for Acquisition of equipment under DBT - STAR Scheme

Sr. No.	Department	Item	Qty.	Specifications
1.	Botany	Binocular Microscope	03	-Halogen , fully automatic
2.	Botany	Digital Microscope with LCD Projector	02	-40X,100X
3.	Botany	Bottled preserved specimen	80	-1024x768 pixel full color
4.	Botany	Permanent Slides with cabinet	30	-
5.	Botany	Compound (Students) Microscopes	31	-625 zoom
6.	Botany	Dissecting microscope	20	Magnification 10X & 20X
7.	Botany	GPS Garmin's Instrument	01	- Display 128x 160 pixel -USB interface
8.	Botany	Plant growth Chamber	01	-Double walled -single phase thick mild steel powder coated inner surface made up of stainless steel -5-50 °C temperature range -fully dual display - microprocessor and temperature indicator
9.	Botany	Micropipettes	15	-
10.	Botany	Digital Incubator	02	-



Sr. No.	Department	Item	Qty.	Specifications
		(45x45x60cm)		
11.	Botany	Glass Double Distillation unit	01	-Heat material, ceramic with spiral element silica glass -1.5 lit per hour capacity
12.	Botany	Visible Spectrophotometer	01	-190-1100 nm wavelength portable - spectral band width 2 nm full -LCD display single beam D2 -lamp and tungsten halogen lamp
13.	Botany	High Speed Laboratory Centrifuge Machine	01	-20,000 rpm, 1200 ml, LCD display, time setter
14.	Botany	Laboratory Electrical Muffle Furnace	01	-3 KW, 20 lit
15.	Botany	INDOSTAT software for advanced biometrics	01	-
16.	Botany	Analytical balance for laboratory use	01	- 0.01 ~ 10 Kg
17.	Botany	Water Bath	01	- 20 watt digital, iron body
18.	Botany	Microwave	01	-Convection type, 800 watts, 20,000 lit
19.	Botany	Digital pH meter	04	- LCD display, micro control temperature compensation, pH electrode, auto-buffer recognition
20.	Botany	Magnetic stirrer	01	-500 ml, 2000 rpm . 60 watt
21.	Botany	Vertical Electrophoresis unit with powerpack	02	240 volt, 3000 watts
22.	Botany	Horizontal Electrophoresis unit with powerpack	02	Compact buffer tank, gel trays, aluminum casting gates , buffer volume of 950 ml, sample capacity 180 ml
23.	Botany	Colorimeter	04	-1-37 °C fully digital

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Sr. No.	Department	Item	Qty.	Specifications
24.	Chemistry	Calomel Electrode	5	-
25.	Chemistry	Conductometer	9	-magnetic stirrer
26.	Chemistry	pH Meter	10	-magnetic stirrer, Eq. 614
27.	Chemistry	Potentiometer	10	- magnetic stirrer
28.	Chemistry	Digital electronic balance	02	-0.001gm
29.	Chemistry	Thermostat	01	- 24 holes Automatic, Digital display
30.	Chemistry	TLC -UV Chamber	02	- long and short UV and visible light
31.	Chemistry	Automatic potential titration meter	01	-
32.	Chemistry	Microwave synthesizer	01	-
33.	Chemistry	Muffle furnace	01	-2.0 °C/min., digital display
34.	Chemistry	Ultrasonic bath	01	-
35.	Chemistry	Photocatalysis Assembly with lamp and regulator	01	-Glass assembly, water cooling jacket, power source, 3 different UV and visible lights
36.	Chemistry	Digital Turbidimeter	01	-
37.	Chemistry	Vacuum pumps	02	-
38.	Chemistry	UV-VISIBLE Spectrophotometer	1	NIL
39.	Chemistry	Fume Hood	1	-
40.	Information Technology	Arduino board with accessories	20	- sensors, add-on circuits

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Sr. No.	Department	Item	Qty.	Specifications
41.	Information Technology	Arduino board with accessories	20	- Arduino Uno
42.	Information Technology	Raspberry Pi 4 4GB	20	- 4 GB RAM
43.	Information Technology	Raspberry Pi 4 8GB	5	-8 GB RAM
44.	Information Technology	Camera	5	-
45.	Information Technology	Microprocessor with accessories	4	-8085/86 or higher kit with add on circuits
46.	Information Technology	Micro-controller with accessories	4	- Intel/Atmega Kit with add on circuits
47.	Information Technology	Drone with Camera	2	-
48.	Information Technology	3D-Printer	2	-Large bed
49.	Mathematics	Workstation/Server	2	- 6 cores, GPU, 16 GB RAM,
50.	Mathematics	Smartboard	2	With HDMI, VGA, ports Touchscreen
51.	Mathematics	High quality Colour Printer	1	- High resolution
52.	Mathematics	Graphing Calculator	3	Screen Size 3.2 Inches 3.0 MB ROM memory for data archive and storage of Apps. 154 KB of available RAM memory Horizontal and vertical split- screen options
53.	Microbiology	Microscope with Oil immersion Lens	5	- Objectives (Achromatic) : 10x & 40x (S/L) & 100x (S/L) oil immersion Eye-Pieces : W.F 10x & H 15x With Mechanical Stage
54.	Microbiology	pH meter, Bench Top	2	-



Sr. No.	Department	Item	Qty.	Specifications
55.	Microbiology	pH electrodes	2	-
56.	Microbiology	Fully automatic Autoclave caps. 52lts. with GMP	1	-Fully Automatic Vertical Autoclave, 52ltr with GMP - programmable - 122°C -automatic purging
57.	Microbiology	Hot air oven (45*45*60cm)	1	-125ltr, Stainless Steel – 304 Grade & -Microprocessor based PID Temperature Controller - 5°C +R.T. ~ 250°C at ± 1°C Accuracy
58.	Microbiology	Centrifuge (6500 rpm)	1	-2000-6500 variable RPM, 8 rotor , Digital Display, with Imbalance Detection, Low noise
59.	Microbiology	Water Bath Shaker (with Clamps)GMP model	1	- 250 ml 16 Flasks -5 ~ 150 RPM -Temperature controller -Temperature Range :- R.T.+5 ~ 95°C (Accuracy 1°C)
60.	Microbiology	Colorimeters	7	- 8 filters, 1ml sample
61.	Microbiology	Bottle top dispenser	3	- Locking Mechanism, 360° Dispensing
62.	Microbiology	Pipette controller	3	-
63.	Microbiology	Magnus Trinocular microscope with camera	1	- field of 20mm.

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Sr. No.	Department	Item	Qty.	Specifications
				- illumination Easy access for lamp replacement. -Digital camera Image Enhancement
64.	Microbiology	Microscopes Inbuilt LED and Oil immersion Lens	3	4X,10X,40X,100X OILIMM LENSE, WF; 10X ANIFUNGUS COATING INBUILT LED LIGHT
65.	Microbiology	Petroff-Hausser Counter	10	-
66.	Microbiology	Molecular Biology Horizontal Submerged AGE apparatus (Big-13 wells)	2	Horizontal (Submerged) Gel Apparatus ready-to-use system with UV-transparent tray, apparatus with male connectors, single directional migration (1D). Gel size 9 (w) x 10 (l) cm, 13 wells PMMA combs 1.5 mm thick.
67.	Microbiology	Mol Bio-vertical apparatus- SDS PAGE (4 wells)	4	Vertical electrophoresis single sided system, Ready to use, of gel size 4 (w) x 8.5 (l) cm, two 1.5 mm spacers, 4 well PMMA comb 1.5 mm thick, male connectors, electrodes, in-built gel casting, single directional migration(1D).
68.	Microbiology	Molecular Biology Horizontal submerged apparatus for DNA AGE 4 wells	4	-Ready-to-use system - UV-transparent tray
69.	Microbiology	fixed voltage Power supply	6	-Range 80 V,110 V, 140 V, 200 V, 50 mA with LED, single output,

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Sr. No.	Department	Item	Qty.	Specifications
70.	Microbiology	Micropipettes 5 each types (2-20 μ l,5-50, 50-200, 50 μ l fixed volume and 200-1000 μ l)	11	-
71.	Microbiology	Western Blotting- apparatus 6x5 cm gel size	2	-Ready to use system.,
72.	Microbiology	Oswald's Viscometer	11	-BOROSILICATE GLASS
73.	Microbiology	Horizontal Incubation Steel Racks with Illumination Facility for Plant Tissue Culture	2	-
74.	Microbiology	Horizontal Steel Hangers (for Oyster Mushroom Production)	3	-
75.	Microbiology	Soxhlet Extractor	2	-100 ml to 1000ml , temperature control regulator
76.	Microbiology	TLC chamber with lid	2	-BOROSILICATE GLASS
77.	Microbiology	TLC plate applicator	1	-
78.	Microbiology	Ocular slides	5	-
79.	Microbiology	Stage micrometer slides	4	-
80.	Microbiology	Silica gel TLC Plates pack (merck)	1	-
81.	Physics	Digital Storage Oscilloscope (DSO)	6	Freq. Range: 50 MHz 2 channels and 1 No. 4 channels
82.	Physics	Multimeters	10	With a facility to measure capacitance.

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Sr. No.	Department	Item	Qty.	Specifications
83.	Physics	Laser sources	2	-
84.	Physics	High precision Digital vernier /micrometer	2	LC: <0.001 cm
85.	Physics	Simple digital verniers	10	LC: <0.01 cm
86.	Physics	Optical fibre Assembly	1	-
87.	Physics	B-H Loop tracer	2	- 2000 gauss
88.	Physics	Hall effect apparatus	1	-
89.	Physics	LCR meter	1	0 ~ 1 MHz with sample holder
90.	Physics	Discharge tube (Hydrogen, Helium, Neon, Argon) and Power supply	2	-40 W
91.	Physics	Microprocessor with accessories	6	-8085/86 or higher kit with add on circuits
92.	Physics	Micro-controller with accessories	6	- Intel/Atmega Kit with add on circuits
93.	Physics	Basic Gas sensing instrument	1	-With Heater
94.	Physics	Digital Programmable Multimeter	1	-6.5 digits -DAQ system, with software.
95.	Zoology	Trinocular Microscope with camera attachment & Camera with attachment for Microscope	2	-field 20mm. - antifungal treatment -LED/halogen illumination -Sidentop head -2D Measurement calibration -Compatible Software.

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Sr. No.	Department	Item	Qty.	Specifications
96.	Zoology	Microtome	2	-Spencer type
97.	Zoology	Incubator	1	-37°C
98.	Zoology	Autoclave	1	Complete SS304, 15 psi, pressure indicator
99.	Zoology	Binocular Microscopes with LED illuminator	5	-
100.	Zoology	Oculometer with stage micrometer	20	-
101.	Zoology	Wide field zoom stereo microscope with LED attachment	1	-
102.	Zoology	Colorimeter	4	- 8 filters
103.	Zoology	pH Meter	2	-Temperature controller
104.	Zoology	Centrifuge	1	-min 6000 rpm
105.	Zoology	Nephelometer	1	- Digital, up to 1000 NTU
106.	Zoology	Conductivity meter	2	- 0 to 100 °C - 0 – 1000 mS/cm
107.	Zoology	Vertical electrophoresis unit (mini size 12 wells)	2	-12 wells
108.	Zoology	Horizontal electrophoresis unit (mini size 12 wells)	2	- 12 wells
109.	Zoology	Haemoglobinometer	20	-
110.	Zoology	Binocular	6	-

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Sr. No.	Department	Item	Qty.	Specifications
111.	Zoology	Hemocytometer with Neubauer chamber	21	-

Please Send Sealed quotations for equipment (either for any one or more than one) in the list above. Quotations must be addressed to the Principal, John Wilson Education Society's Wilson College and must reach the following address :

Principal,

John Wilson Education Society's Wilson College,

Sea face Road, Chowpatty, Grant Road ,

Mumbai – 400007

Quotations must reach by 20th October 2023. Please Mention "DBT – Quotation " clearly on top of Envelope.



Mr. Michael D. Souza
Coordinator, DBT Star Scheme




Principal,
John Wilson Education Society's
Wilson College
PRINCIPAL
WILSON COLLEGE
CHOWPATTY,
MUMBAI - 400 007.