



Bangabasi College

(Estd. 1887)

Accredited by NAAC

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Ref. No.....

Date: 13/09/2018

TENDER NOTICE (DST-FIST)

Sealed quotations are invited from reputed suppliers/manufacturers for procurement of various laboratory equipments/instruments under DST-FIST fund. Last date of submission is 04.10.2018 till 1.00 p.m.

Principal
Bangabasi College

**LIST OF LABORATORY EQUIPMENTS/INSTRUMENTS TO BE PROCURED
UNDER DST FIST GRANT**

SL. No.	NAME OF INSTRUMENT	SPECIFICATIONS
1.	CELL CULTURE CO2 INCUBATOR	FEATURES : One chamber CO2 Incubator with work chamber volume <u>170 Liter</u> Temperature range : <u>Ambient +3°C to +60°C</u> Precisely tuned sensor and software results in fast recovery of CO2 without overshoot. <u>CO2 range : 0 – 20% CO2</u> <u>Accuracy : ± 0.1% CO2</u> :CO2 Incubator chamber have built-in automatic decontamination facility with <u>ULPA Filter and UV lamp for decontamination facility</u> CO2 Incubator chamber have built-in automatic decontamination facility with <u>ULPA Filter and UV lamp for decontamination facility</u>
2.	-86°C Upright Ultra Freezer CFC & HCFC free refrigerant	Temperature range: <u>-50°C to -86 °C</u> Ambient temp range: <u>15 °C to 32 °C</u> External Dimension: 28" x 34.8" x 78" (W x D x H) Internal Dimension: 17.7" x 24.4" x 51.1" (W x D x H) Capacity (L): 363 Lit. Compressor : 2 x 1 HP
3.	AIR STREAM CLASS II A2 TYPE BIOLOGICAL SAFETY CABINET	Durable grade stainless steel work surface will never rust, ship or generate particles. Standard work surface is single-piece work tray. Work surface construction : 1.5 mm(0.06") 16 gauge stainless steel grade 304 with 4B finish. Side walls construction : UV absorbing tempered glass. 5 mm(0.2"), clourless nad transparant Front transparent sliding sash window which is <u>protected from UV, Acid, starch etc.</u> Vertical Airflow External surfaces are coated with ESCO <u>Isocide™ Antimicrobial coating</u> Downflow and Exhaust Filter Type: <u>ULPA filter</u>
4.	Western blott system (TBT with vertical EPH and PP	Transblot Turbo System 220/240 Volt Mini Protean tetra 2 Gel system Power Supply Basic 220/240 Volt
5.	Micrprocessor Water & Soil analyser	Measuring of pH, Conductivity, ORP, TDS, Salinity, DO & Temperature. 16x2 Line bold alphanumeric LCD display, battery cum facility up to 1000 samples
6.	ELISA Reader	Absorbance microplate reader, automated model, Wavelength range: 400 to 750 nm Monochromator bandwidth: 10 nm
7.	Skin fold Caliper : Harpenden Type	Measuring range 45mm
8.	Digital balance	Capacity: 220gm, Readability:0.1mg
9.	Orbital shaker	Max shaking weight 7.5Kg, LED display for speed time adjustment
10.	Autoclave	Steel body size 10 inch x12 inch