

St. Xavier's College (Autonomous), Mumbai – 400 001

Ref: SXC/RP/NRC/2022-23/07

Date: 25.03.2023

CALL FOR QUOTATIONS FOR NRC AGRICULTURE EQUIPMENTS

St. Xavier's College (Autonomous), Mumbai, the Department of New Research Centre is inviting quotations invites quotations from registered Service Providers for the following equipment under RUSA 2.0 Scheme of the Government of Maharashtra.

1) Environment Monitoring Device	
a) Scope:	
<ul style="list-style-type: none">• Air temperature sensor• Relative humidity sensor• Precipitation sensor• Data logger• Solar panel• Battery• Installation	
b) TECHNICAL SPECIFICATIONS	
<u>Temperature & humidity sensor</u>	
FEATURE	VALUE
Sensor	HYT221
Operating temperature range	-40°C to +125°C
Humidity range	0% to 100% RH
Accuracy	±0.2°C (0°C to +60°C)
	±2 % RH at +23 °C (0% to 90% RH)
Operating voltage	2.7V to 5.5V

Digital interface	I ² C, address 0x28 or alternative address
Operating voltage (limit data)	0.3 V to +6 V
Storage conditions	-20 °C to +50 °C

Precipitation sensor

FEATURE	VALUE
Sensor Type	Double tipping bucket rain gauge
Output	Switch signal
Switch	Reed contact, solid state
Sensitivity	1 tip per 0.2 mm
Collector Surface	200 cm ²
Evaluation	Digital
Maximum Rain	12 mm/minute
Dimensions	185 mm diameter x 250 mm H
Accuracy	±5%

Other

- Memory: 8MB flash memory
- Internet connectivity: 2G, 3G, 4G
- Dimensions without sensors: 41 cm (length) x 12 cm (width) x 7 cm (height)
- Solar Panel: 1.45-Watt solar panel
- Solar Panel dimensions: 13.5 cm x 13.5 cm
- Weight without sensors: 2.2 kgs
- Measuring interval: 10 minutes (default)
- Logging interval: 10-120 minutes (user defined)

- Transmission frequency: User defined
- Battery: 6v, 4.5AH, optimum temperature range (-350C to 800C)
- Logistics (shipping, local transportation and installation) of the device

Please send detailed quotation on company letterhead along with a soft copy of the PAN CARD, AADHAR CARD of Proprietor, and GST certificate to “The Principal, St. Xavier’s College (Autonomous), Mumbai-400 001” should be emailed latest by **March 31, 2023 by 5.00 p.m.** to rusaquotes31323@xaviers.edu

The Original copy of the quotation should reach the undersigned on or before **1st April, 2023**, along with PAN copy, AADHAR copy & GST certificate along with payment terms and conditions.

The quotation should mention the total amount including the discount and tax amount as applicable and clearly indicate the features offered.

Principal