



**SOPHISTICATED TEST AND INSTRUMENTATION CENTRE(STIC)**  
(A Joint Venture of KSCSTE, Government of Kerala and Cochin University of Science & Technology)

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Our Ref. No. :STIC/SAIF/2018-19/2109

Date : 12.12.2018

From

**THE DIRECTOR**

Quotations are invited from Manufactures/Dealers/Agencies for the following item(s) which are proposed to be procured by STIC. Suppliers may give their lowest rate with detailed terms and conditions for supplying the item(s).

**I UPS – 3 Phase Input and Single Phase Output**

- 1 20KVA on-line UPS with Isolation Transformer
- 2 15KVA on-line UPS with Isolation Transformer
- 3 10KVA on-line UPS with Isolation Transformer

**II UPS – 3 Phase Input and 3 Phase Output**

- 1 20KVA on-line UPS with Isolation Transformer

**III 1 Input Isolation Transformer for 10KVA UPS and 15KVA UPS (External)**

**UPS Technical Specifications**

1. On-line UPS with isolation Transformer  
IGBT Based Inverter and Rectifier with DSP Based Technology  
High Input PF > 0.99  
High Output PF > 0.9  
Double conversion efficiency – up to 95%  
Pure Sine Wave output  
Input THD ≤ 6% THD (100% Load)  
Output THD ≤ 6% THD (Non-linear Load), ≤ 3% THD (linear load)  
Wide Input Voltage range – 120V to 480V  
Configurable Output with accuracy of ±1% V
2. Tubular battery with battery stand with one hour backup
3. Include battery AH rating, No. of battery and other details
4. Zero delay changeovers
5. With voltage and current monitoring isolation switch for input/output power
6. Isolation switch for disconnecting the battery
7. Bypass service mode, proper indicator/meter for input/output voltage, Battery voltage, Load etc. should be provided.

**Warranty: 5 years for battery and 3 years for UPS**

**Quote after inspecting the site condition**

**Input power requirement and earthing should be specified**

**Quote for UPS and Battery separately**

Quotations in sealed envelope must reach the Director, STIC, Cochin University P.O., Cochin – 682 022, Kerala or e-mail at [office@sticindia.com](mailto:office@sticindia.com) on or before 3.00 p.m. **27.12.2018 (Thursday)**



**DIRECTOR(i/c), STIC.**

