



Energy Management Centre

(State Designated Agency to enforce Energy Conservation Act 2001)

Department of Power, Government of Kerala

Sreekrishna Nagar, Sreekariyam P.O

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NOTICE INVITING QUOTATIONS

No. EMC/146/2020-PE(ESS)

Date: 22/05/2020

Sub: - Inviting quotation for supply and installation of Online- UPS of capacity – 3kVA with 1 hour full load back-up for Energy Meter Calibration Lab in Energy Management Centre- (EMC) Kerala- reg.

Competitive quotations are invited for the supply and installation of Online- UPS of capacity – 3kVA with 1 hour full load back-up

Sl.No	TECHNICAL PARAMETERS	PARAMETER DESCRIPTION
1	Inverter Type	Single phase, IGBT Based , Online UPS
2	Mains voltage regulation	150-270V AC, Single phase
3	Output	3.0 KVA
		230V \pm 2% V AC, 50 \pm 5 Hz, Single phase 3 wire [Phase + Neutral + Ground]
4	Output Waveform	Sinusoidal
5	Voltage Regulation	$\leq \pm 2\%$
5	Efficiency	>80%
6	Overload Capability	withstand for 5 Minutes at 110% load
7	Total Harmonic Distortion [THD]	<5% for linear and non linear load
8	Cooling	Forced air cooling
9	Battery	Battery shall be of Sealed Maintenance Free (SMF) or VRLA type Battery Backup shall not be less than 1 Hrs at full load
10	Functional Test certificates	1. Insulation Resistance &HV Test (Shall conform to IS 16242) 2. Load regulation and transient response 3. Efficiency

		4. Ripples (Pure Sinusoidal waveform)
11	Communication and management	<ol style="list-style-type: none"> 1. Multi- function LCD status and control side 2. Alarm function 3. Emergency power Off (EPO)
12	Manual	Operating and procedure manuals
13	Payment terms	95% of the total amount will be paid after submitting the invoice and balance 5% will be pay after the warranty period
14	Warranty	<ol style="list-style-type: none"> 1. One year warranty from the date of invoice. 2. Two year replacement warranty.

The sealed envelope containing the quotation with all taxes and duties and other terms and conditions, should bear the superscription “ **Bid for supply of online UPS in EMC lab**” and should address to Director, Energy Management Centre, Sreekrishna Nagar, Sreekariyam, TVM-17.

Terms and condition

- Self declarartion of conformity as per IS 16242
- NABL certification of Inverter and Battery
- Shall provide brochures or catalogs of items along with the quotes
- Item should be supplied and installed at EMC Lab

Last date of receipt of quotation is 2.00 P M on 01.06.2020.