

Quotation Notice

Sealed competitive quotations are invited from the manufactures, for the supply of the following item for the use in the Department of Computer Science, University of Kerala.

Sl. No.	Items with specification	Qty																																																																
1.	<p>Online 5 KVA UPS with the following specification:</p> <table border="1"> <thead> <tr> <th>Parameter</th> <th>Requirement</th> </tr> </thead> <tbody> <tr> <td colspan="2"><u>INPUT</u></td> </tr> <tr> <td>Normal AC Input Voltage</td> <td>1 phase 230 Vac + Neutral+Earth</td> </tr> <tr> <td>Line low/ high transfer</td> <td>170 VAC to 280 VAC</td> </tr> <tr> <td>Frequency range</td> <td>50 HZ +-3Hz</td> </tr> <tr> <td>Power Factor</td> <td>>= 0.9</td> </tr> <tr> <td>Transfer time</td> <td>0 Milli Second for AC to DC & Inverter to Bypass</td> </tr> <tr> <td colspan="2"><u>OUTPUT</u></td> </tr> <tr> <td>Voltage</td> <td>Single phase 220/230/240 V AC</td> </tr> <tr> <td>Regulation @inverter mode</td> <td>+/-1.00%</td> </tr> <tr> <td>Inverter Technology</td> <td>IGBT based PWM technology</td> </tr> <tr> <td>Frequency</td> <td>50 HZ +-0.05 Hz free running, 50 Hz +- 3 Hz Sync Mode</td> </tr> <tr> <td>output wave form</td> <td>pure sine wave</td> </tr> <tr> <td>Crest factor</td> <td>3:1</td> </tr> <tr> <td>THD at linear load</td> <td><2%</td> </tr> <tr> <td>THD at Non linear load</td> <td><=5%</td> </tr> <tr> <td>Power Factor</td> <td>0.8 lag (load)</td> </tr> <tr> <td>Efficiency (AC-AC)</td> <td>>90 %</td> </tr> <tr> <td>Inverter overload capacity</td> <td>150 % for 10 sec</td> </tr> <tr> <td>Static Bypass</td> <td>To be provided</td> </tr> <tr> <td colspan="2"><u>BATTERY</u></td> </tr> <tr> <td>Back Up for 5KVA</td> <td>3 hours at load</td> </tr> <tr> <td>Battery Type</td> <td>10 Nos. of 60AH tubular battery</td> </tr> <tr> <td>Battery voltage 5KVA</td> <td>120 V DC</td> </tr> <tr> <td>Battery Make / Warranty</td> <td>Preferred brand: Exide/Luminous/Southern Hi power 3 Years from OEM</td> </tr> <tr> <td>Recharge time</td> <td>10-12 hours or better</td> </tr> <tr> <td>Isolation Transformer</td> <td>At Input/Output Side</td> </tr> <tr> <td>Indications essential for operation</td> <td>Mains ON, Inverter ON/OFF/Fault, Battery level, Static Bypass ON, Load Level</td> </tr> <tr> <td>Audible Alarm</td> <td>Built in Buzzer fault conditions</td> </tr> <tr> <td>Protections</td> <td>Against faults that can happen during operation like Short Circuit, OverLoad, Low Battery, Input Over voltage</td> </tr> <tr> <td>Warranty</td> <td>3 years on site for UPS & 3 years for battery</td> </tr> <tr> <td>Certified Manufacturer</td> <td>ISO 9001:2008 & 14001:2004, BIS Certified</td> </tr> </tbody> </table>	Parameter	Requirement	<u>INPUT</u>		Normal AC Input Voltage	1 phase 230 Vac + Neutral+Earth	Line low/ high transfer	170 VAC to 280 VAC	Frequency range	50 HZ +-3Hz	Power Factor	>= 0.9	Transfer time	0 Milli Second for AC to DC & Inverter to Bypass	<u>OUTPUT</u>		Voltage	Single phase 220/230/240 V AC	Regulation @inverter mode	+/-1.00%	Inverter Technology	IGBT based PWM technology	Frequency	50 HZ +-0.05 Hz free running, 50 Hz +- 3 Hz Sync Mode	output wave form	pure sine wave	Crest factor	3:1	THD at linear load	<2%	THD at Non linear load	<=5%	Power Factor	0.8 lag (load)	Efficiency (AC-AC)	>90 %	Inverter overload capacity	150 % for 10 sec	Static Bypass	To be provided	<u>BATTERY</u>		Back Up for 5KVA	3 hours at load	Battery Type	10 Nos. of 60AH tubular battery	Battery voltage 5KVA	120 V DC	Battery Make / Warranty	Preferred brand: Exide/Luminous/Southern Hi power 3 Years from OEM	Recharge time	10-12 hours or better	Isolation Transformer	At Input/Output Side	Indications essential for operation	Mains ON, Inverter ON/OFF/Fault, Battery level, Static Bypass ON, Load Level	Audible Alarm	Built in Buzzer fault conditions	Protections	Against faults that can happen during operation like Short Circuit, OverLoad, Low Battery, Input Over voltage	Warranty	3 years on site for UPS & 3 years for battery	Certified Manufacturer	ISO 9001:2008 & 14001:2004, BIS Certified	1
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The quotations should reach the “Asst. Professor & Head, Department of Computer Science, University of Kerala, Kariavattom, Thiruvananthapuram – 695 581” on or before 18-06-2020, 3:00 pm.

Sd/-
Asst.Professor & Head
Dept. of Computer Science
University of Kerala, Kariavattom
Thiruvananthapuram - 695 581