

### **TECHNICAL SPECIFICATIONS 10 KVA ON LINE UPS**

<b>Capacity/Rating</b>	10 KVA
<b>Make of UPS</b>	EATON/EMERSON/APC/SOCOMEK
<b>Make of Batteries</b>	EXIDE/AMARON/HBL/PANASONIC
<b>General</b>	UPS shall be free from workmanship defects, sharp edges, nicks, scratches, burrs, etc. All fasteners shall be fixed properly. The equipment shall be complete with all parts and all parts shall be functional.
<b>Technology</b>	Microprocessor based Digital Control, IGBT based, True on line double conversion, AC to DC conversion and then DC to AC.
<b>Waveform</b>	Pure Sine wave
<b>Input Voltage</b>	110-270V
<b>Input Frequency</b>	45-55 Hz (Generator Compatible)
<b>Input Power Factor</b>	> 0.90
<b>Output Voltage</b>	208V/220/230/240V AC -Selectable
<b>Out Put Power Factor</b>	0.9
<b>Output Frequency</b>	50Hz/60Hz +/- 0.05%
<b>THD</b>	< 2% Linear Load and 5% Non Linear Load.
<b>Inverter Efficiency</b>	> 92%
<b>Crest Factor</b>	3:1
<b>Over Load On Batteries</b>	105% - 125% for at least 120 sec, if overload exceeds UPS shall go in Bypass mode and auto recover on removal of load.
<b>Paralleling</b>	Option for paralleling up to 4 Units.
<b>By Pass Switches</b>	Built in Static/Automatic Bi-Directional Type <b>( Manual By Pass arrangement Not Acceptable)</b>
<b>Protection</b>	Input Over/Under Voltage, Output Overload, Short Circuit, Battery Low/High, Battery reversed polarity, protection for IGBT & thermal overload.
<b>Display</b>	LCD.
<b>Alarms</b>	Audible Alarms should be provided for Mains Fail, Battery Low and Fault Conditions.
<b>Operating Conditions</b>	0-40 deg C, 0-90% RH maximum, non condensing audible noise-50 dB at front 1 meter.
<b>Cooling</b>	Air forced type
<b>Soft ware support</b>	Novel Netware/UNIX/Windows NT/Solaris
<b>Batteries</b>	SMF-VRLA type.
<b>Back Up Time</b>	60 mins on full load.
<b>Minimum VAH Required</b>	10800 (Bidders can choose battery capacity accordingly)

**PRICE BID**

**Prices to be quoted inclusive of all taxes and duties and installation charges.**

<b>SL. NO</b>	<b>DESCRIPTION</b>	<b>Qty</b>	<b>Make of UPS Offered</b>	<b>Make of Batteries Offered</b>	<b>Rate (Rs.)</b>
1	Supply , Installation , testing & Commissioning of 10KVA On-Line UPS System, Single Phase Input & Single Phase output complete with SMF-VRLA batteries to provide backup time as per following requirements and technical specifications including battery rack & connecting loops with <b>two years warranty on UPS &amp; batteries:</b> : a) 30 mins on full load b) 60 mins on full load	1 no. 1 no.			
2	Supply , Installation , testing & Commissioning of 5 KVA On-Line UPS System, Single Phase Input & Single Phase output complete with SMF-VRLA batteries to provide backup time as per following requirements and technical specifications including battery rack & connecting loops with <b>two years warranty on UPS &amp; batteries:</b> a) 30 mins on full load b) 60 mins on full load	1 no. 1 no.			

**UPS Make: EATON/EMERSON/APC/NUMERIC/SOCOMEK**

**Battery Make: EXIDE/AMARON/HBL/PANASONIC.**

Earnest Money Deposited CDR/FDR.....DATED.....

I/We have read all terms & conditions and filled bidder information page. All terms & conditions are acceptable to us.

Name of Proprietor/Partner.....

Name of Bidder.....

Address of Bidder.....

**Signature of Bidder**

**Seal of Bidder**