

**Women's Polytechnic
Hapania, Tripura(w)
Education (Higher) Department
Government of Tripura**

No. F. 1(66)/WP/Proc./2019/94

Dated: 04 /03/2020

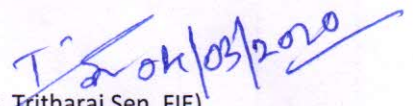
Short Notice Inviting Quotation

Sealed Quotations are invited by the undersigned from the reputed and experienced suppliers/dealers for supply of **one number of On-line UPS (5KVA)** for Women's Polytechnic, Hapania, Agartala. The detailed descriptions of the item are as follows:

Sl No	Name of the item	Specification	Qty																																																					
1.	Online UPS 5KV	<p><u>HR+ Series Online UPS</u></p> <p><u>FEATURES</u></p> <ul style="list-style-type: none"> • Pure sinewave. • Double conversion. • Wide input range. • High frequency PWM. • IGBT inverter. • Static switch option. • LCD display. • DSP based controller. • High crest factor. • High efficiency. • Active power factor correction. • Genset compatible. • RS 232 interface with software option. • Built in galvanic isolation transformer. • Parallel redundant and hot standby connections available. <p><u>Technical Specification</u></p> <table border="1"> <thead> <tr> <th rowspan="2">INPUT</th> <th>Phase</th> <th>Single</th> <th>Three</th> </tr> </thead> <tbody> <tr> <td>Voltage range</td> <td>160V-280V</td> <td>300V-475V</td> <td></td> </tr> <tr> <td>Power Factor</td> <td colspan="3">0.99</td> </tr> <tr> <td>Frequency</td> <td colspan="3">45Hz-55Hz</td> </tr> <tr> <th rowspan="12">OUTPUT</th> <td>Phase</td> <td colspan="2">Single</td> </tr> <tr> <td>Voltage/Regulation</td> <td colspan="2">220/230/240V±1%</td> </tr> <tr> <td>Full load current</td> <td colspan="2">Rated at 0.9 P.F</td> </tr> <tr> <td>Nominal frequency</td> <td colspan="2">50Hz±0.05Hz</td> </tr> <tr> <td>Power factor</td> <td colspan="2">0.9 P.F</td> </tr> <tr> <td>Over load</td> <td colspan="2">125% for 10 minutes & 150% for 1 minute</td> </tr> <tr> <td>Static voltage regulation</td> <td colspan="2">±6% for 50% step load change</td> </tr> <tr> <td>Dynamic voltage regulation</td> <td colspan="2">±1% of nominal for all variations of line change. ±5% for 10% to 100% step load change.</td> </tr> <tr> <td>Waveform</td> <td colspan="2">Sinusoidal</td> </tr> <tr> <td>Total harmonic distortion</td> <td colspan="2"><3% for linear, <5% for non-linear load</td> </tr> <tr> <td>Inverter efficiency</td> <td colspan="2">95%</td> </tr> <tr> <td>Crest factor</td> <td colspan="2">4:1</td> </tr> </tbody> </table>	INPUT	Phase	Single	Three	Voltage range	160V-280V	300V-475V		Power Factor	0.99			Frequency	45Hz-55Hz			OUTPUT	Phase	Single		Voltage/Regulation	220/230/240V±1%		Full load current	Rated at 0.9 P.F		Nominal frequency	50Hz±0.05Hz		Power factor	0.9 P.F		Over load	125% for 10 minutes & 150% for 1 minute		Static voltage regulation	±6% for 50% step load change		Dynamic voltage regulation	±1% of nominal for all variations of line change. ±5% for 10% to 100% step load change.		Waveform	Sinusoidal		Total harmonic distortion	<3% for linear, <5% for non-linear load		Inverter efficiency	95%		Crest factor	4:1		1 No.
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	PROTECTIONS	Charger	Input circuit breaker, charger over voltage, charger over current limit
		Battery	Battery low cut off/current limit, HRC fuse in battery path, battery over charger trip.
		Inverter	Output over voltage/over load trip current limit, short circuit.
	DISPLAY	Indications	MAIN ON, UPS ON, UPS OV/UV, Battery low trip
		Display	LCD display for checking input and output parameters
		Metering(optional)	Output voltmeter, output ammeter
	ENVIRONMENT	Operating temperature range	0°C to 55°C
		Storage temperature range	-20°C to 60°C
		Relative humidity	95% non condensing
		Max. operating altitude without derating	3000 meters
		Acoustic noise	<55db at 1 meter distance

The last date of submission of bids is 11th March 2020 upto 3.00 pm. The bids may be opened on 11th March 2020 at 3.00 pm (if possible). Bidders are requested to quote their best price as per the Annexure-1 enclosed herewith. The undersigned reserve the right to reject any quotation without assigning any reason.


 (Dr. Tritharaj Sen, FIE)
 Principal
 Women's Polytechnic
 Hapania, Tripura (W).

Copy to:

1. DDO & Nodal Officer, Website Maintenance, Women's Polytechnic for uploading in the institute site.
2. Convenor, Purchase Committee, Women's Polytechnic for information.

From,

Annexure-1

To
The Principal,
Women's Polytechnic,
Hapania, Tripura (W).

Subject: Rate Quotation for On-line UPS.

Sir,

As per your Notice Inviting Quotation No.

Date:

I am please to quote the best price of items mentioned below:

SI No	Name of the item	Specification	Make/ Model No.	Qty	Unit Price (Rs)	GST (Rs)	Total Price (Inclusive of all taxes)
1.	Online UPS 5kv			1 nos			

Signature and Seal of the Bidder

Enclo:

1. GST registration certificate.
2. Beneficiary details.