

TENDER NUMBER : BI/TND/BIC/13-14/UPS/04  
TENDER DATE : 21-05-13  
DUE DATE : 05-06-13  
TYPE : **Limited**

Sealed quotations are invited from enlisted venders for the purchase of following stores

**BRIEF DESCRIPTION OF THE TENDER**

**3- Phase Input / 1-phase output 20KVA online double Conversion UPS System along with 30 minutes S M F Battery back up (From ISO – 9001 Certified Company)**

AC Input Voltage	:	415V -25% to + 10% : Three Phase / preventer
Input Frequency	:	50HZ variation +/- 3HZ
Back up Capacity	:	30 minutes S M F Battery
Output Voltage	:	230Volt AC, 3 wire +/- 1%
Adjustable range	:	Output Voltage Regulation +/-1% Single phase 230V
Output Frequency	:	50Hz, +/- 0.2HZ (Free running)
Wave form	:	Sine wave
Harmonic distortion	:	Less than 3%
Power Factor	:	0.8 lagging to unity
Overload	:	110% for 5 sec IDMT 150% 5 cycles
Crest Factor	:	Larger than 3 : 1
Cooling System	:	Air Cool
By pass facility in case of UPS failure		
Static by pass time 5 MS for Synchronous and 20 MS for asynchronous mode		
Distortion	:	< 3% for 100% linear load < 5% for 100% non linear load
Variation	:	+/-10%
Transits Voltage	:	within 2 cycles
Battery	:	28 nos. X 12V-65Ah S.M.F.

	UPS be tested for 20KVA with 30 minutes backup at full load
	Following faults & trip features with audio-visual indication should be provided :
	1. Battery over voltage
	2. Battery under voltage
	3. Output AC over voltage
	4. Output overload/short circuit
	5. Phase fail
	6. LCD Display

**Warranty : 2 Years for UPS and Battery**

**NOTE:** Price should include buy back offer of two (2) no. 5KVA running UPS along with batteries. Interested vendors can contact for site inspection on working days (5 days a week) before tender due date from 12.00 hrs to 15.00 hrs.

**Payments terms:** Payment will be released after delivery and successful installation accompanied with submission of 10% of the ordered value as performance bank guarantee drawn on any nationalized bank of India.

The covering letter of the quotations should be addressed to **Registrar, Bose Institute** and should be sent/mailed to **The Scientist-in-Charge, Bioinformatics Centre, Bose Institute, Kakurghachi campus P-1/12 CIT Scheme VII M, Kolkata 700054**. Mention the tender number on the top of the envelope. The quotations should reach us before **14.00 hrs. on 05-06-2013**. The quotations will be opened at **15.00 hrs. on 05-06-2013**. Interested vendors may be present at the time of tender opening.

**Contact person : Mr. Tushar Bhattacharya (9433096088)**