

DEPARTMENT OF APPLIED MECHANICS

INDIAN INSTITUTE OF TECHNOLOGY DELHI

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NIQ No.IITD/AM2012/UPS1

November 30, 2012

NOTICE INVITING QUOTATION

Please submit the technical and commercial bids in separate sealed covers to the undersigned on or before 14th December, 2012 for supplying a 40 KVA 3 phase online UPS along with battery. The UPS and the battery must meet the following minimum specifications:

RATED POWER	Capacity VA	40 KVA
	Phase	3 phase input, 3 phase output
	Power Factor	0.8
	Power watt	32 KW
INPUT	Power factor	>.99
	Voltage range	320 V to 460 V AC (L-N) 3 PH + N
	Frequency range	50 Hz +/- 10%
	THD	< 3%
OUTPUT	Voltage range	220/380 VAC (230/400 VAC) 3 Phase + N ± 1%
	Recovery time	± 1 static, + 3 dynamic at 100% load, 5 msn
	Efficiency	>= 93%
	Frequency range	50 Hz +/- 0.01% (Battery mode)
	THD	Linear Load <2% / Non-linear Load <3%
	Short-circuit protection	IGBT controlled electronic short circuit protection
	Overload capacity	110% load 60 min., 125% - 10 min., 150% - 1 min.
	Crest Factor	3:1
BATTERY	Type	Sealed Lead acid maintenance free
	Quantity	Selectable
	Battery Test	Programmable without load, Automatic battery test
	Battery temperature	20-25 degree Celsius
	Battery Back up	Up to 30 minutes, Desirable up to 60 minutes.
Other specs of UPS	By-pass transfer time	< 1 ms
	Running temperature	For UPS (0 – 40 degree Celsius)
	Emergency power off	Should be available
	Parallel operation	Should be available
	Generator compatibility	Soft start, power walk in 5-30 sec
	Protection	overload, short circuit, over heat, high/low charge, over humidity, mains over/under voltage, phase fail, DC over/under voltage, Inverter over/under voltage

Terms & Conditions:

Warranty	3 years comprehensive onsite warranty for UPS with 24/7 technical support.
	2 years comprehensive onsite warranty for batteries with 24/7 technical support.
Eligibility criteria for the firms/vendors	It should be of repute with more than 10 years of experience in UPS business in India; Certificate of incorporation to be provided.
	Turnover should be 10 crores or more from UPS business itself ; CA certified copy to be provided
	It should have a minimum of 5 installation base of more than 35 KVA rating UPS for running High performance computing facilities/data centers or similar applications
	Delivery should be within a week after the issuance of purchase order
BUYER'S RIGHTS	Buyer reserves the right of accepting or rejecting any/ all quotations.
VALIDITY OF QUOTATIONS	Quotations will be considered valid for two months from the date of receipt unless otherwise stated.
CORRESPONDENCE	No correspondence regarding acceptance/rejection of a quotation will be entertained.
METHOD OF SUBMISSION	Quotations should be sent in a sealed separate cover marked technical and commercial bids at the top along with our NIQ reference no. and due date,
REJECTION	Quotations not conforming to the set procedure as above are liable to be rejected.
DISCOUNT/ REBATES	Special discount/rebate wherever admissible keeping in view that the supplies are being made for education purpose in institute of national importance may please be indicated.

Sd/-
(Prof. Sanjeev Sanghi)
Chairman, PFC