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KERALA PUBLIC SERVICE COMMISSION

No. RAI-2/50020/2018-KPSC

Thiruvananthapuram,

Dated: 18-01-2019

TENDER NOTICE

Invitation of E-Tender for the supply and installation of 6kVA UPS with Battery .

E-Tender in one cover system is invited from competent dealers and manufacturers for the supply of 6kVA UPS with Battery in accordance with respective specifications for supply as shown in Annexure I of the Tender document.

Sl No.	Item Details	Quantity(Nos)	Cost of Tender Forms	EMD
1	6kVA UPS with Battery	9 Nos	2,500/-	33,750/-

The tender is to be submitted as e-tender through <https://etenders.kerala.gov.in> .Since this is an e-tender ,only those bidders who have enrolled in the above portal with their own digital signature certificate (DSC)can participate in the tender. E-Tender document and other details can be obtained from the above e-portal.

Tender no. : 01/2019/SN
Document download/sale start date : 21/01/2019
Bid submission start date : 21/01/2019
Document closing date : 06/02/19 5.00pm
Date & Time of opening of tender : 08/02/2019 2.30 pm

Cost of e-Tender & EMD (Online payment)

Payment as shown in the above table including EMD should be made as a single payment through online.

Dates upto which rates are to remain-

firm for acceptance : 90 days
Performance security : 5% of the contract value
Period of supply : within 20 days of supply order

The bidder desiring to take part in the bid shall log into <https://etenders.kerala.gov.in/> and then select tender and initiate payment.Bidders will be directed to the payment gateway page of the State Bank of India.There are two options:-

- 1.State Bank of India (SBI Net banking payment) and
- 2.Payment through NEFT/RTGS from other banks to the payment gateway of SBI

For obtaining digital signature certificate (DSC) and necessary portal enrollment bidders can visit the website <https://etenders.kerala.gov.in/>. **The e-tenders submitted by the competent dealer should definitely contain a scanned and signed copy of the declaration of product offered to supply and dealership certificate from the manufacturer.**

Tenders will be opened in the online presence of each bidders or their authorised representatives who have logged in at the prescribed time of opening.If the date fixed for opening happens to be holiday or due to net failure the tenders will be opened in the next working day at the same time.

The price of the e-tender form shall be received only through online payment – Netbanking (SBI) / NEFT/RTGS (other banks).

Scanned copy of the agreement (Annexure II) in the prescribed format in Kerala Stamp paper worth Rs.200/- should be submitted online and original to the Secretary, Kerala Public Service Commission before opening of e-tender.

The rates should be quoted in Indian Currency only.

Details with respect to the e-tender and the details of specifications (Annexure I) of the item to be supplied can be obtained from the e-tender website <https://etenders.kerala.gov.in>.

The Secretary ,Kerala Public Service Commission ,Pattom will scrutinise the tenders received and will take necessary action for the award of contract.

The right of acceptance or rejection of any e-tender in full or in part without assigning any reasons there is reserved with the Secretary.

The rules and regulations prescribed for e-tenders by the Government of Kerala ,shall be applicable to this e-tender also.

Terms and Conditions:

1. The make,model,year of manufacture etc of the servers should be clearly mentioned.
2. Three years for UPS and 2 years for Batteries - comprehensive on site warranty should be assured.
3. All charges ,taxes,duties and levies should be clearly indicated.
4. The items should be supplied to the office of the Kerala public Service Commission , Pattom, Thiruvananthapuram-4 at the expense of the Tenderer.
5. The installation,commission and initial operation to the satisfaction of the KPSC will be the responsibility of the supplier.
6. The payment will be made after completion of supply,installation and commission subject to the certification by our Technical Experts as to the quality and efficiency of the item supplied.
7. In case of under performance during the warranty period,the item should be replaced and period of warranty will recommence from the date of replacement.

8. Dealership/Authorization and Warranty Certificates from the Original Equipment Manufacturer (OEM) should be attached with the Tender document.

Specification for 6kVA UPS with Battery

Sl. No.	Item/Category	Required Specification
1	UPS	6kVA On line UPS with Isolation Transformer suitable for single phase AC input and single phase AC Output, Floor Mounted Type.
2	Technology	True on Line UPS with double conversion, APFC , IGBT (for both Rectifier and Inverter) based UPS.
3	Output Capacity (KVA) Output Capacity (KW)	6kVA 4.8kW
4	DC Bus Voltage	216V/240 VDC
5	Input line Low/High Transfer	160 VAC to 300 VAC at 100% load 110 VAC to 300 VAC at 50% load
6	Input Frequency range	47.5 to 52.5 Hz
7	Input Power Factor	>=0.99
8	Output Voltage	230VAC single phase +/-1% at full load
9	Output Frequency (Free running)	50Hz +/-0.5%
10	Output Wave Form	Pure sinusoidal Wave
11	Output Harmonic Distortion	<=2% for 100% (linear load) <=5% for 100% (nonlinear load)
12	Output Power Factor	0.8
13	Output Crest Factor	Minimum 3:1 at full load
14	Overall efficiency of UPS at normal mode	>90% rated load linear & nonlinear load
15	Inverter Overload Capacity	125 % of overload for 30 Seconds 110% of over load for 3 minutes.
16	Isolation Power	Both Power input & output should have MCBs. Battery connection should have MCB/MCCB/switch
17	Isolation Transformer	Built in Galvanic isolation
18	Static bypass (Bi-directional)	Should be provided and should take care of 100% load transfer without break.
19	Cooling system of UPS	Forced Air
20	Operating Temperature	0 to 40 degree centigrade (100% continuous), 0-50 degree centigrade (80% continuous)
21	Humidity	0 to 90% RH, non-condensing
22	USB for software interface	Required
23	SNMP Management/Web enabled interface	Required (Optional)
24	Power Generator Compatibility	Required
25	Auto Retransfer, Cold start	Required
26	Protection	Electronics protection for devise safety with MCBs Soft starts rectifier and inverter, battery current Limiting, overload protection and output short circuit Protection.
27	Mimic Indication(LCD/LED Display)	Mains ON, Inverter ON Battery On charge, Mains Over/Under Voltage, Mains fail, Low battery, DC Over/Under Voltage, Inverter Overload, Load on inverter, Bypass on, Battery run time.
28	Metering	DC voltage, Battery Level, Input Voltage, Output

		Voltage & Output loads level
29	Audible alarm	Main Failure, Low Battery, on bypass, Overload
30	Manufacturer	Manufacturer should be ISO 9001:2015, ISO 14001, BS OHSAS 18001 & BIS certificate to be produced for offered Models of 6kVA UPS.
31	Enclosure Protection Class	IP 20
32	Batteries	12 V 42 AH or above (Make Quanta/Panasonic/Exide) Minimum VAH required 9000VAH or above
33	Battery Charger	Constant Voltage Constant Current
34	Minimum Charger Current	10% Battery AH
35	Battery recharge time (after complete discharge) to 100% charge	Battery recharge time should not exceed 12 hrs.
36	Battery Housing	Aesthetically finished MS Rack or wooden rack to house the Batteries of each UPS.
37	Flexible Battery Configuration	Battery blocks configuration will be scalable at site (ie.240V DC/216VDC UPS should be able to configured 228V/216V/204V/192V based on the site requirement)
38	Eligibility Criteria	Should have supplied at least 1500 numbers of Online UPS in Kerala (Proof should be enclosed), in last 3 years UPS Manufacturer should have their Own Service centre in Kasaragod, Wayanad, Kannur, Malappuram, Palakkad, Thrissur, Alappuzha, Kollam & Kottayam districts (Details of engineer name, number & address to be provided) Mandatory certifications mentioned below should be enclosed.
39	Warranty	3 years for UPS and 2 years for Batteries
40	Preferable Make (UPS)	APC/Emerson/Numeric

Certification (Mandatory requirements)	
Safety	EN 62040-1 certificate to be produced
EMC/EMI	EN 62040-2 certificate to be produced
Performance	IEC 62040-3 certificate to be produced
Certification	CE Certification, ISO 9001, ISO 14001 & BS OHSAS 18001 certificate to be produced
	BIS certificate to be produced for 6kVA Online UPS.

Any legal disputes that may arise in relation to the e-tender formalities will be restricted to jurisdiction of Thiruvananthapuram.

The communications to be addressed to :

The Secretary,
Kerala Public Service Commission
Pattom, Thiruvananthapuram
Kerala-695004

Sd/-
SECRETARY,

KERALA PUBLIC SERVICE COMMISSION

Note:- More details can be had from the office of **Joint Secretary, R&A wing, Kerala Public Service Commission, Pattom, Thiruvananthapuram**