



KERALA PUBLIC SERVICE COMMISSION

File No:RA1-2/50020/2018-KPSC

Thiruvananthapuram

Dated : 21.02.2022

E-TENDER NOTICE

Inviting E-Tender for the supply and installation of 2x6 KVA UPS for the office use of the District Office of Thrissur of Kerala Public Service Commission.

E-Tender in one cover system is invited from competent dealers and manufactures for the supply and installation of 2x6 KVA UPS in accordance with respective specifications as shown in Annexure I of the Tender document.

Sl.No.	Item	Qty(Nos)	Cost of Tender (Forms) Rs	EMD fixed (Rs)
1	6KVA UPS	2 (Two)	1000/-	12,500/-

Tenders shall be submitted as e-tender through <https://etenders.kerala.gov.in>. Bidders who have enrolled in the above portal with their own digital signature certificate (DSC) can participate in the tender. For obtaining digital signature certificate (DSC) and necessary portal enrollment bidders can visit the above website. E-Tender document and other details can be obtained from the above e-portal.

Tender Number	: 03 /2022/SN
Document download/sale start date	: 22/02/2022
Bid submission start date	: 22/02/2022
Document closing date	08/03/2022 – 5.00 pm
Date & Time of opening of tender	10/03/2022 - 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 15 days of supply Order

The bidder desiring to take part in the bid shall log in to <https://etenders.kerala.gov.in> and then select tender and initiate payment. Bidders will be directed to the online payment gateway page and they shall make payment as directed therein.

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 authorized 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 will be received only through online payment methods stipulated in the website.

Scanned copy of the agreement (Annexure II) in the prescribed format in Kerala Stamp paper worth Rs.200/- shall be submitted online and original shall be given 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 thereof 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 UPS shall be clearly mentioned.
2. **Three (3) years Comprehensive Onsite OEM warranty for UPS and three years replacement warranty for battery should be assured. Dealership/Authorization and Warranty Certificates from OEM shall be submitted with the tender. Dealership warranty will not be accepted.**
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 Product should be supplied within 7-10 days from the date of Purchase Order, otherwise the tender will be cancelled without any prior intimation..**
6. The installation, commission and initial operation to the satisfaction of the KPSC will be the responsibility of the supplier.
7. 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.
8. 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.

9. The Performance Security Deposit will be released after the expiry of Warranty Period.

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

The communications should be addressed to :

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

Sd/-
Saju George
Secretary
Kerala Public Service Commission

Note:- More details can be had from the office of Additional Secretary, R&A wing, Kerala Public Service Commission.Pattom,Thiruvananthapuram-4

TECHNICAL SPECIFICATION FOR 2 x 6 KVA UPS SYSTEM in Parallel Redundant Supply (PRS) configuration		
Sl. No.	Specification	
	Make	Should be specified
	Model	Should be specified
1	Technology	IGBT based On-Line Double Conversion - VFI-SS-111
2	Capacity	
a.	Nominal power (VA)	6000 VA
b.	Active power (W)	6000 Watts
3	Isolation Transformer	Inbuilt in the UPS at Input Side. External Box not accepted
4	Configuration	Required UPS System with Parallel Redundant Configuration & Individual Battery Bank
5	Input Parameters	
a.	Voltage	230 VAC, 1 Phase 3 Wire
b.	Voltage Range	180V-295V on full load, 115V on < 60% load
c.	Frequency	50 / 60 Hz
d.	Power Factor at rated load	>=0.99 at full load
e.	Current Harmonic Distortion	Less than 5 % at full load
6	Output Parameters	
a.	Voltage	220/230/240 VAC +/- 1%, 1 Phase
b.	Frequency	50 Hz +/- 0.25 Hz (in Battery Mode) +/- 5% (in Sync)
c.	Output waveform	Pure sinewave
d.	Power Factor	Unity
e.	THD v	< 3 % for Linear Load ; < 5 % for Non Linear Load
f.	Overload rating	< 105 % Continuous, 111 to 130 % - 5 min, 131 to 150 % - 1 min
g.	Over all Efficiency	> 86 %
7	Battery Parameters	
a.	Type	Sealed Maintenance Free Batteries
b.	Make	Exide/Amararaja
c.	End cell voltage	10.5 V per Battery
d.	DC Voltage	240 VDC
e.	Backup time	1 Hr @0.9pf in PRS
f.	VAH	10080 VAH /UPS
g.	Battery Rack & Connectors	Powder coated battery rack/stand to be provided
i.	Charger Capacity	10% of the Battery AH
8	Other Features	
a.	Static Bypass	Inbuilt
b.	Transfer time	< 4 ms in Sync Mode
c.	Manual Bypass	Required (inbuilt)
9	Additional Features	
a.	LCD Display	Input & Output Voltage/ Frequency, Bypass: Voltage & Frequency & Battery voltage, Output Load level indicator, fault codes
b.	LED for	Mains On, Bypass, ECO , Fault, Parallel
c.	Protection	Input High / Low, Over Load, Short Circuit, Over Temperature

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d.	Audible Alarm	Battery Mode, Low Battery, Fault, Over Load, Bypass Mode
e.	Features should be available	Cold Start, Auto Restart, Generator Compatibility, EPO, ECO
f.	Connections	Input : Terminal Output : Terminal
g.	Communication Port	RS 232 serial port, USB (any one can be active simultaneously)
h.	Noise Level	< 50 dB at 1 meter distance
i.	Operating Temperature	0 to 40 Deg C
j.	Humidity	upto 95 % RH Non Condensing
k.	Altitude	< 1000 meters
10	IP class	IP20
11	Standards Required	IEC/EN 62040-1,EN 62040-2,EN 62040-3
		EN 61000-3-12:2011,EN 61000-3-11:2000,EN 61000-4-2:2009.
		BIS : IS 16242 Part 1 : 2014 (Manufacturing address of offered model should be in India - Refer Make in India policy)
a.	Certifications & Marking	ISO 9001:2015 & ISO 14001:2004& RoHS marking
12	Warranty	3 year for UPS & 3 year for battery (OEM)
13	Local Service support	OEM/Bidder Service Center should be available in Thrissur (proof to be enclosed)
14	MAF	Manufacturer's Authorization Form required