

**GOVERNMENT ENGINEERING COLLEGE, THRISSUR
NOTICE INVITING e-TENDER**

D4/4014/23/GECTCR

23.06.2023

Tender No. : **D4/13 /23-24**

Superscription : Purchase of 5 KVA , 10 KVA Online UPS for CSE, MCA,ME and EEE Department

Bidding fee : Rs. 3304/-(2800+18%GST)

EMD required : Rs.18450/-

Address of the Officer to whom hardcopy is to be sent. : THE PRINCIPAL, GOVERNMENT ENGINEERING COLLEGE, THRISSUR-680009

Item Details

Sl. No	Item With Specification	Qty
1	10 KVA Online UPS 3 Phase in and 1 Phase out IGBT with Isolation Transformer 192 VDC, Battery and Rack sufficient for 120 Minute Backup (Detailed spec attached)	3 Nos
2	5 KVA Online UPS 1 Phase in and 1 Phase out IGBT with Isolation Transformer 120 VDC, Battery and Rack sufficient for 120 Minute Backup(Detailed spec attached)	3 Nos

General conditions

1. The unit price, all other charges such as delivery, transporting, packing, shipping, loading and unloading charges etc, and GST must be shown separately and should be furnished unambiguously.
2. Payment will be made only after the successful supply, installation and testing.
3. F.O.R: Govt. Engineering College, Thrissur.
4. Agreement: Preliminary Agreement in Rs.220/- Kerala Stamp Paper.
5. Date of opening of tender: In case the proposed date declared as holiday, the tender will be opened on the next working day.
6. After E-tendering the hard copy of all documents should be submitted before the date of opening of the tender to the Principal, Government Engineering College, Thrissur.
7. Items to be supplied at Govt. Engineering College, Thrissur.
8. The items should have a minimum guarantee period of 3 Years for UPS & 4 Years for battery from ISO certified from the date of installation and successful performance.
9. Installation, successful demonstration and training required.
10. Delivery Period: Within Two Months of receipt of supply order.
11. 5% security deposit along with agreement should be furnished within a month/fortnight from the date of receipt of supply order.
12. Only GST Registered firms should participate in the tender.
13. Bidder shall be responsible for installation / demonstration as applicable and for

after sales service during the warranty and thereafter.

14. Installation and demonstration to be arranged by the supplier free of cost and the same is to be done within 15 days of the arrival of the equipment at site.

NB: The Tender procedure will be made as per Rules mentioned in the Revised Store Purchase Manual. The bidders should participate this tender through E-Tendering System. Tender cost and EMD should be submitted only through online. For more details Contact Ph.0487 2334144.

Dr. Satish K P

Approval Valid

Digitally Approved By
Dr. Satish K P
Date: 23.06.2023
Reason: Approved

Technical Specification -10 KVA ONLINE UPS


Capacity	10 KVA ONLINE UPS with 120 minutes back up.
Technology	High Frequency switching with Double Conversion IGBT based rectifier, DSP powered, Next Generation Technology based Online UPS.
Inverter Technology	PWM with IGBT
Total Bus Voltage	240 VDC
Input	415VAC, +-10%, 3 Phase 4 wire (3Ph+1N) 50Hz ± 5 %, OUTPUT 230 VAC, 1 Phase Input Power Factor > 0.96
Output	Rated output – 10KVA OUTPUT 230 VAC, 1 Phase Power Factor > 0.9 Output voltage regulation : ±1 % (static), Output Frequency : 50 Hz ± 0.5 Hz, Wave form: Pure Sine wave, Crest Factor: 3:1, Duty: Continuous
Output voltage regulation	+/-1% static
Harmonic Distortion	Total harmonic distortion at 100% : <= 5% non-linear load Total harmonic distortion at 100% : <= 3% linear load.
AC -> AC	93%
DC -> AC	94%
Bypass	Internal Static Bypass (automatic & manual), Maintenance Bypass: - Required
Over Load Capacity	105% for 1 min, 125%-150% for 30 seconds.
Power Isolation	MCB at Input, Output and Battery
Isolation Transformer	Input internal or external of Premium quality from ISO certified company
Galvanic Isolation	Required
LED Display	LCD display with mimic panel Display parameters: Battery voltage, charging status, output voltage, output current, input voltage, input current, event log etc.
Audible Alarm	Overload condition, UPS on battery, low battery voltage, internal fault etc.
Protection	Rectifier o/p short circuit protection, inverter output short circuit protection, over voltage protection. Ingress Protection – IP20 or better.
Battery	Special UPS Tubular Battery to Support 90-120 mins Backup with battery racks & inter-cell connectors: Premium quality battery (12V, 100Ah or higher),
Certification & Compliance	ISO 9001, ISO 14001, ISO 45001, BiS Certified EMC compliance: IEC/EN 62040-2, IEC/EN61000-3-11 or equivalent, Safety compliance: IEC/EN 62040-1-1, or equivalent
Warranty	3 Years for UPS 4 Years for battery from ISO certified.

Technical Specification-5 KVA ONLINE UPS

Capacity	5 KVA ONLINE UPS with 120 minutes back up.
Technology	High Frequency switching with Double Conversion IGBT based rectifier, DSP powered ,Next Generation Technology based Online UPS.
Inverter Technology	PWM with IGBT
Total Bus Voltage	120 VDC
Input	230VAC, +-10% 50Hz ± 5 % OUTPUT 230 VAC, 1 phase Input Power Factor > 0.96
Output	Rated output –5 KVA 1 Phase Power Factor > 0.9 Output voltage regulation : ±1 % (static), Output Frequency : 50 Hz ± 0.5 Hz, Wave form: Pure Sine wave, Crest Factor: 3:1, Duty: Continuous
Output voltage regulation	+/-1% static
Harmonic Distortion	Total harmonic distortion at 100% : < /= 5% non-linear load Total harmonic distortion at 100% : < /= 3% linear load.
AC -> AC	93%
DC -> AC	94%
Bypass	Internal Static Bypass (automatic & manual), Maintenance Bypass: - Required
Over Load Capacity	105% for 1 min, 125%-150% for 30 seconds.
Power Isolation	MCB at Input, Output and Battery
Isolation Transformer	Input internal or external of Premium quality from ISO certified company
Galvanic Isolation	Required
LED Display	LCD display with mimic panel Display parameters: Battery voltage, charging status, output voltage, output current, input voltage, input current, event log etc.
Audible Alarm	Overload condition, UPS on battery, low battery voltage, internal fault etc.
Protection	Rectifier o/p short circuit protection, inverter output short circuit protection, over voltage protection. Ingress Protection – IP20 or better.
Battery	Special UPS Tubular Battery to Support 90-120 mins Backup with battery racks & inter-cell connectors: Premium quality battery (12V, 100Ah or higher),
Certification & Compliance	ISO 9001, ISO 14001, ISO 45001, BiS Certified EMC compliance: IEC/EN 62040-2, IEC/EN61000-3-11 or equivalent, Safety compliance: IEC/EN 62040-1-1, or equivalent
Warranty	3 Years for UPS 4 Years for battery from ISO certified.

Annexure 2 - General Conditions

1. Supplier shall be a manufacturer/Authorized dealer of the UPS; Authorized dealer shall enclose a dealer certificate.
2. Supplier shall enclose a copy of list of customers indicating kVA rating, model, number of units supplied, contact numbers and location.
3. Suppliers shall send catalogs/specifications/manuals of the offered product, for technical evaluation.
4. Offer shall be in the same format of specifications as mentioned in the tender enquiry for easy comparison. Offer shall state compliance or non compliance of each specification of tender.
5. Scope of work includes supply, installation and commissioning of UPS with batteries at user's site.
6. Battery AH calculation sheet for backup time shall be provided along with the offer; otherwise the offer shall be strictly rejected.
7. Complete maintenance and service manuals shall be supplied along with the UPS.
8. A pre dispatch inspection shall be carried out at the manufacturer/dealer site to verify the working of the UPS and its conformance to the specifications mentioned in the tender.
9. Load test shall be demonstrated at the user site during commissioning, on full load for specified backup time.

Kerala Tenders		eTendering System Government of Kerala	
Tender Details			
Date : 24-Jun-2023 03:36 PM			
 Print			
Basic Details			
Organisation Chain	Directorate of Technical Education Govt. Engineering College Thrissur		
Tender Reference Number	D4/4014/23/GECTCR		
Tender ID	2023_DTE_584103_1	Withdrawal Allowed	Yes
Tender Type	Open Tender	Form of contract	Item Wise
Tender Category	Goods	No. of Covers	2
General Technical Evaluation Allowed	No	ItemWise Technical Evaluation Allowed	No
Payment Mode	Online	Is Multi Currency Allowed For BOQ	No
Is Multi Currency Allowed For Fee	No	Allow Two Stage Bidding	No
Payment Instruments		Cover Details, No. Of Covers - 2	
Online Bankers	S.No	Bank Name	
	1	SBI MOPS	
Cover No	Cover	Document Type	Description
1	Fee/PreQual /Technical	.pdf	Scanned copy of Duly Filled and Signed preliminary agreement of Rs. 220/- Kerala stamp paper
		.pdf	Scanned copy of duly signed and filled tender form
		.pdf	EMD Exemption certificate if any
		.pdf	Detailed Product brochure
		.pdf	Detailed specification of the item
		.pdf	Manufacturers authorisation Certificate if any
		.pdf	GST certificate
2	Finance	.xls	Price Bid
Tender Fee Details, [Total Fee in ₹ * - 3,304]			
Tender Fee in ₹	3,304		
Fee Payable To	Nil	Fee Payable At	Nil
Tender Fee Exemption Allowed	Yes		
EMD Fee Details			
EMD Amount in ₹	18,450	EMD through BG/ST or EMD Exemption Allowed	Yes
EMD Fee Type	percentage	EMD Percentage	1.0%
EMD Payable To	Nil	EMD Payable At	Nil
Click to view modification history			

Work / Item(s)					
Title	Supply of UPS for Various Department				
Work Description	Supply of UPS for Various Department				
Pre Qualification Details	Please refer Tender documents.				
Independent External Monitor/Remarks	NA				
Show Tender Value in Public Domain	Yes				
Tender Value in ₹	18,45,000	Product Category	Equipments	Sub category	UPS
Contract Type	Tender	Bid Validity(Days)	180	Period Of Work(Days)	60
Location	GOVERNMENT ENGINEERING COLLEGE, THRISSUR	Pincode	680009	Pre Bid Meeting Place	NA
Pre Bid Meeting Address	NA	Pre Bid Meeting Date	NA	Bid Opening Place	GOVERNMENT ENGINEERING COLLEGE, THRISSUR
Should Allow NDA Tender	No	Allow Preferential Bidder	No		

Critical Dates			
Publish Date	24-Jun-2023 04:00 PM	Bid Opening Date	27-Jul-2023 11:00 AM
Document Download / Sale Start Date	24-Jun-2023 05:00 PM	Document Download / Sale End Date	25-Jul-2023 02:00 PM
Clarification Start Date	NA	Clarification End Date	NA
Bid Submission Start Date	24-Jun-2023 06:00 PM	Bid Submission End Date	25-Jul-2023 02:00 PM

Tender Documents					
NIT Document	S.No	Document Name	Description	Document Size (in KB)	
	1	Tendernotice_1.pdf	Tender Notice	357.47	
Work Item Documents	S.No	Document Type	Document Name	Description	Document Size (in KB)
	1	Tender Documents	Tenderagreement.pdf	Preliminary Agreement Format	67.61
	2	Tender Documents	tenderform.pdf	Tender Form	2391.54
	3	Tender Documents	specification.pdf	Detail Specification	323.85
	4	BOQ	BOQ_862819.xls	Price Bid	287.50

Bid Openers List			
S.No	Bid Opener Login Id	Bid Opener Name	Certificate Name
1.	kgjestin@gmail.com	JESTIN K G	JESTIN K G
2.	ursdhanya@gmail.com	DHANYA V S	DHANYA V S
3.	leethajoseph@gmail.com	LEETHA JOSEPH	LEETHA JOSEPH

Tender Properties			
Auto Tendering Process allowed	No	Show Technical bid status	Yes
Show Finance bid status	Yes	Show Bids Details	Yes
BoQ Comparative Chart model	Normal	BoQ Compative chart decimal places	2
BoQ Comparative Chart Rank Type	L	Form Based BoQ	No

Tender Inviting Authority

Name	Principal
Address	GOVERNMENT ENGINEERING COLLEGE, THRISSUR - 680009

Tender Creator Details

Created By	JESTIN K G
Designation	SENIOR CLERK
Created Date	24-Jun-2023 03:21 PM