

**Kerala
Tenders****eTendering System Government of Kerala**
Published Corrigendum Details

Date : 21-Jul-2023 12:29 PM

Print

Organisation Chain :	Directorate of Technical Education Govt. Engineering College Thrissur
Tender ID :	2023_DTE_584103_1
Tender Ref No :	D4/4014/23/GECTCR
Tender Title :	Supply of UPS for Various Department
Corrigendum Type :	Date

Corrigendum:1

Corrigendum Title	Corrigendum Description	Published Date	Document Name	Doc Size(in KB)
Date Extension Corrigendum.	Due to the publication of Technical Corrigendum, the deadline for e-tender has been extended.	21-Jul-2023 12:29 PM	CorrigendumUPSDDate.pdf 	233.64

Critical Dates

Publish Date	24-Jun-2023 04:00 PM	Bid Opening Date	09-Aug-2023 11:00 AM
Document Download/Sale Start Date	24-Jun-2023 05:00 PM	Document Download/Sale End Date	07-Aug-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	07-Aug-2023 02:00 PM

Details Before Corrigendum**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

Government Engineering College, Thrissur

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21/07/2023


Accounts Officer

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Date : 21-Jul-2023 12:15 PM

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Tender Title :	Supply of UPS for Various Department
Corrigendum Type :	Technical Bid

Corrigendum Document Details

Corr.No.	Corrigendum Title	Corrigendum Description	Published Date	Document Name	Doc Size(in KB)
1	Technical Bid	Technical Specification Corrigendum	21-Jul-2023 12:15 PM	CorrigendumUPS.pdf 	100.48

Technical Specification -10 KVA ONLINE UPS

Capacity	10 KVA ONLINE UPS with 120 minutes back up.	Corrigendum-1
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	Instead 240VDC (Bus Voltage) Minimum VAH for 10kVA, 120min backup UPS is 32000 VAH. Give priority to VAH. ✓
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 230VAC, 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 nature: 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.	External Isolation Transformer at input side being 3 phase input supply. ✓
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),	Tubular batteries for 120 mins Backup (Min. 32000VAH). Other things as in quotation. ✓

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	Submit all relevant documents during supply time, if failed to submit, order will be cancelled without prior notice. ✓
Warranty	3 Years for UPS 4 Years for battery from ISO certified.	Supplier must give on site test report with resistive & Inductive load. Supplier must ensure service within 1 days of call log. ✓

[Signature]
K. N. Chandrasekhar
Assoc. prof in E&E

Cocenter signed

PRINCIPAL
GOVT. ENGG. COLLEGE
THRISSUR.

Technical Specification-5 KVA ONLINE UPS

Capacity	5 KVA ONLINE UPS with 120 minutes back up.	Corrigendum -1
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	Instead 120VDC (Bus Voltage) Minimum VAH for 5kVA, 120min backup UPS is 16000 VAH. Give priority to VAH. ✓
Input	230VAC, +10% 50Hz \pm 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 : \pm 1 % (static), Output Frequency : 50 Hz \pm 0.5 Hz, Wave form: Pure Sine wave, CrestFactor: 3:1, Duty: Continuous	
Output voltage regulation	+/-1% static	
Harmonic Distortion	Total harmonic distortion at 100% : \leq 5% non-linear load Total harmonic distortion at 100% : \leq 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.	External Isolation Transformer at input side. Internal can be considered only in the lack of external. ✓
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.	
Audiable 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),	Tubular batteries for 120 mins Backup (Min. 16000VAH) ✓

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	Submit all relevant documents during supply time, if failed to submit, order will be cancelled without prior notice. ✓
Warranty	3 Years for UPS 4 Years for battery from ISO certified.	Supplier must give on site test report with resistive & Inductive load. Supplier must ensure service within 1 days of call log. ✓

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Chandrasekhar
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