**Tender Notice No. JNTUK-UCEK/Lab Equipment, Furniture & Books/2016**

**Date: 26-07-2016**

**TENDER SCHEDULE**

**GENERAL CONDITIONS:**

1. Please quote your lowest rates for each item described. The quotation should reach this office **on or before 06/08/2016 by 03:00 P.M.** Sealed covers should be submitted for the items super scribing as **“Tender Notice No.”, “Description of item” &“Item Number(s)”.** The sealed covers should be sent by the Registered Post (or) to be dropped in the sealed box provided in the office of the Principal. The tender will be **opened on 06/08/2016 at 04:00 P.M.** by the undersigned/his nominee in the presence of the committee members and available tenderers or their representatives.
2. Separate tender forms should be submitted for each item as per the specifications mentioning with the additional features if any.
3. **E.M.D:** The tender documents should be submitted along with earnest money deposit **Rs.5,000/-** in the form of Demand Draft in favor of **“The Principal, JNTUK, University College of Engineering, Kakinada”** to be payable at State Bank of India, JNTU Campus Branch, Kakinada. The Demand Draft pertaining to E.M.D. of unsuccessful party will be returned.
4. **PRICES:** The price should be F.O.R. destination inclusive of taxes, packing & forwarding charges, freight and delivery charges. Items on rate contract, if any together with the terms and conditions may please be furnished.
5. **PAYMENT:** 100% payment will be made within a reasonable time only after the receipt of all items in good condition and installation as per given specifications and after testing for satisfactory working and on receipt of the company’s invoice with all Supporting vouchers such as copy of A.P. Sales Tax or VAT Registration certificate etc. **No advance will be paid in any case either in part or in full.**
6. **ACCEPTANCE:** It is not binding on the university/ institution to accept the lowest of the tenders. The university/ institution reserves the right to place orders for individual items with different tenderers.
7. **SPECIFICATIONS:** Full specifications along with the description and make should be mentioned in the tender.
8. **Warranty/Guaranty:** Warranty/Guaranty period should be mentioned by the tenderer.
9. **DELIVERY:** The period of delivery at destination from date of placing orders is **FOUR WEEKS**.
10. **VALIDITY:** The quotations should be valid for at least 90 days.
11. The Institution reserves the right to cancel the tender without assigning any reason.
12. The tenderer should produce copy of Service tax certificate and PAN card.
13. Those who purchased tender schedule officially by paying **Rs. 500/-** in the form of Demand Draft drawn in favor of Principal, JNTUK University College of Engineering, payable at Kakinada are only eligible to participate in the tender. Those who have downloaded the tender schedule from the JNTUK website ([www.jntuk.edu.in](http://www.jntuk.edu.in)) should submit a separate DD for **Rs.500/-** along with the quotation.
14. This Institution being Government educational institution is exempted from payment of Central/State Excise Duty.
15. Since the college is Government institution whatever conditions are applicable to any Government institute shall be applicable even if not specified.
16. Any tender that is received after due date will not be accepted. The college is not responsible for any postal delay.
17. List of Major Customers should be provided.
18. Either Colour Letter head or white paper with round seal and signature is compulsory while quoting the tender price.
19. Wherever possible, buyback procedure should be adopted.

**PRINCIPAL**

**FORMAT OF QUOTATION\***

**(To be filled in concerned firm letterhead)**

To

The Principal,

University College of Engineering Kakinada (A),

JNT University Kakinada,

Kakinada.

Date:

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **S.No** | **Description of goods (with full Specifications)** | **Qty** | **Unit** | **Quoted Unit rate in Rs.** | **Total Amount** | |
| **In figures** | **In words** |
|  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |

Gross Total cost :`

We agree to supply the above goods in accordance with the technical specifications for the total contract price of Rs.\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_(Amount in figures) (Rupees \_\_\_\_\_\_\_\_\_\_\_\_amount in words) within the period specified in the Invitation for Quotations.

We also confirm that the normal commercial warranty / guarantee of months shall apply to the offered goods`

We hereby certify that we have taken steps to ensure that no person acting for us or on our behalf will engage in bribery.

Signature of Supplier

Name : \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Mobile No.\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

* Applicable while the bids are being invited for more than one item and would be evaluated for all the items together. Modify where evaluation would be made for each item separately.

Tender Notice No: UCEK/CE/Equipment & Furniture/Books/2016-17, Date: 26-07-2016

Item No: 1

Department of CE

Specifications

for

Strain Measurement Lab

**Specifications of Strain measurement system:**

|  |  |  |
| --- | --- | --- |
| **S.No** | **Description** | **Specification** |
| 1 | No. of Channels | Minimum Four Simultaneous channels  24-bit analog input channels |
| 2 | Sampling Rate | Up to 14kHz |
| 3 | Inputs should be support | Full-bridge  Half-bridge &Quarter-bridge with internal or external bridge-completion resistor. |
| 4 | Bridge Excitation | 0VDC and 5VDC |
| 5 | Interface Compatible | USB /Ethernet |
| 6 | Synchronization | Synchronize acquisition on up to 16ch |
| 7 | Input range | ±200mV |
| 8 | Power supply | we can provide 230VAC/50 Hz source you should provide suitable adapter |
| 9 | Cables | All required input cables & connectors  Power supply |
| 10 | Software | Software for configure hardware , acquire & view data |

**Contents of the Starter Kit**

* 10 pieces Linear Strain gages
* 1 Z 70, cold curing adhesive
* 1 X 60, cold curing adhesive
* 1 AK 22, protective coating
* 1 ABM 75, protective coating
* Solder terminals
* Connecting wire
* Sand paper
* Cleaning agent RMS 1
* Cleaning pads
* Solder
* 1 Specialist book on strain gages "An Introduction to Measurements using Strain Gages"
* 1 Petri dish

Tender Notice No: UCEK/EEE/Equipment & Furniture/Books/2016-17, Date: 27-05-2016

Tender Notice No: UCEK/CE/Equipment & Furniture/Books/2016-17, Date: 26-07-2016

Tender Notice No: UCEK/CE/Equipment & Furniture/Books/2016-17, Date: 26-07-2016

Item No: 2

Department of EEE

Specifications

for

Air Conditioners

|  |  |  |
| --- | --- | --- |
| S.No. | Decription of the item | Quantity |
| 1. | Supply, Installation, testing and commissioning of 1.5 TR split wall mounted cordless remote Air conditioners of 5 star rating with hyper tropical compressorusing R410 A refrigerant. Nominal cooling capacity of at least 1800 BTU/hr (suitable for operation on single phase 230 volts, 50 Hz, Ac supply), input power of not more than 1510 W. Supply and installation of the above units with refrigerant copper tubing along with connecting cable between evaporator and condensing unit. Necessary opening on the wall may be done for drawing copper tubing and cabling finishing with cement plaster etc.  **Note:Copper pipe length** required for 4 units is 3.5 × 4 mts and for remaining two units is **7** × 2 mts. | 6 No’s |
| 2. | Supply 4 kVA wall mount type stabilizer with no time delay high-low voltage, thermal overload protection, input voltage of 150-260 V, output voltage of 200-240 V, with a high voltage cutoff of 240 V | 6 No’s |

Tender Notice No: UCEK/CE/Equipment & Furniture/Books/2016-17, Date: 26-07-2016

Item No: 3

Department of EEE

Specifications

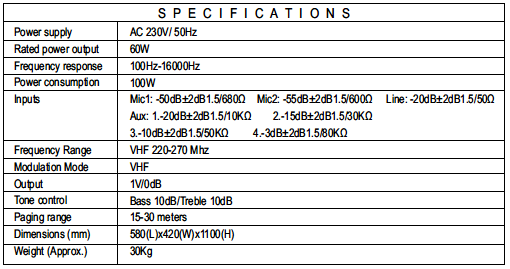
for

Podium, Dais table & Chairs

Seminar Hall Furniture-Dias Table &Chairs

|  |  |  |  |
| --- | --- | --- | --- |
| **S. No.** | **Equipment** | **Specifications** | **Quantity** |
| 01 | **Seminar Hall**  **Dias Table & Chairs –** | Dias Table- 4’x2 ’ x2 ’  3 ’ x2 ’ x 2 ’  Moving wheels provision and logo of JNTUK specification-18mm hardwood with 4mm teakwood Natural venire with wall net colour dull finish melamine spray polish with Teakwood edge beading. | **01**  **02** |
| Chairs-  Teakwood seat and back cushioned visitor chairs  Wall Nut dull finish melamine spray polish | **10** |

Seminar Hall Furniture-Podium (with mike)



Tender Notice No: UCEK/CE/Equipment & Furniture/Books/2016-17, Date: 26-07-2016

Item No: 4

Department of PE & PCE

Specifications

for

PDC Lab equipment

**Item:** 1.Cascade control trainer – 01 no.

**SPECIFICATIONS**

|  |  |  |  |
| --- | --- | --- | --- |
| **S. No.** | **Experiment** | **Equipment Description** | **Specifications** |
| 01 | Cascade Control Trainer - 01 | Cascade Control Trainer & Mini compressor with Suitable computer and Software | Control unit: ADAM-4022T Serial based dual loop PID controller; Analog input 4, AnalogOutput 2, Digital input 2, Digital output 2. With RS485 communication.  Communication: USB port using RS485-USB converter.  DP transmitter: Type Capacitance, two wire, Range 0–200 mm, Output 4–20 mA sq.root.  Level transmitter: Type Electronic, two wire, Range 0–250 mm, Output 4–20mA  I/P converter: Input 4-20mA, Output 3-15 psig.  Control valve: Type Pneumatic, Size 1/4", Input 3–15 psig, Air to close, Char. Linear.  Rotameter: 10-100 LPH.  Pump: Fractional horse power, type submersible.  Process tank: Transparent, Acrylic, with 0-100% graduated scale; Supply tank: SS304.  Flow measurement: Orifice meter.  Air filter regulator: Range 0-2.5 kg/cm2.  Pressure gauge: Range 0-2.5 kg/cm2 (1No), Range 0-7 kg/cm2 (1No).  Overall dimensions: 550Wx475Dx520H mm.  Suitable computer, IBM compatible with standard configuration, CD ROM drive, SVGA Monitor and keyboard and SCADA software package; and Mini Compressor (2 Kg/cm2). |

Tender Notice No: UCEK/CE/Equipment & Furniture/Books/2016-17, Date: 26-07-2016

Item No: 5

Department of Library,

UCEK, JNTUK

Books

for

EEE Department, UCEK, JNTUK.

**List of Electrical Engineering Books**

**Each Title 10 copies**

|  |  |  |  |
| --- | --- | --- | --- |
| S.No | Name of the title | Author | **No of Copies** |
| 1 | Electrical power system | C.L.Wadhwa | 10 |
| 2 | A course in power system | J.B.Gupta | 10 |
| 3 | Principles Of Power system | V.K.Mehta,Rohit Mehta | 10 |
| 4 | Operation and control in power system | P.S.R.Murthy | 10 |
| 5 | Power system operation and control | S.Sivanagaraju,G.Srinivasan | 10 |
| 6 | Power Generation, Operation and control | Allen.J.Wood,Bruce F.Wollenberg,Gerald B Sheble | 10 |
| 7 | Modern power system analysis | I.J.Nagrath,D.P.Kothari (4th edition) | 10 |
| 8 | Electric Energy system theory(English) | Olle.L.Elgerd | 10 |
| 9 | Reactive Power control in Electrical system | T.J.E.Miller | 10 |
| 10 | Reactive power management | D.M.Tagare | 10 |
| 11 | Extra high voltage A.C transmission engineering | Rakesh Das Begamudre | 10 |
| 12 | H.V.D.C transmission system | K.R.Padiar | 10 |
| 13 | HVDC transmission | Kamakshaiah,Kamaraju | 10 |
| 14 | Direct Current Transmission | E.W.Kimbark | 10 |
| 15 | High voltage Direct current Transmission | J.Arillaga | 10 |
| 16 | High voltage engineering fundamentals | E.Kuffel,W.S.Zeangle,J.Kuffel | 10 |
| 17 | High voltage engineering | M.S.Naidu,Kamaraju | 10 |
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| 18 | “Understanding FACTS devices” | N.G.Hingorani,L.Guyyi | 10 |
| 19 | HVDC and FACTS controllers applications of static converters in power system | VijakK.Sood | 10 |
| 20 | High Voltage Engineering | C. L. Wadhwa | 10 |
| 21 | Transformer | BHEL | 10 |
| 22 | Theory and performance of electrical machines | J.B.Gupta | 10 |
| 23 | Electrical machinery | P.S.Bimbhra | 10 |
| 24 | Generalized theory of electrical machines | P.S.Bimbhra | 10 |
| 25 | Electric machines | P.S.Bimbhra | 10 |
| 26 | A text book of electrical technology-volume-II | A.K.Theraja,B.L.Theraja | 10 |
| 27 | Power electronics | P.S.Bimbhra | 10 |
| 28 | Power electronics | B.R.Gupta | 10 |
| 29 | Problems and solutions of control system with essential theory | A.K.Jairath | 10 |
| 30 | Control systems | A.Nagoorkani | 10 |
| 31 | Linear control system with MATLAB | B.S.Manke | 10 |
| 32 | A course in electrical and electronic measurement and instrumentation | A.K.Sawhney | 10 |
| 33 | Circuits and networks analysis and synthesis | A.Sudhakar,Shyammohan.S.palli | 10 |
| 34 | Network analysis | N.C jagan | 10 |
| 35 | Neural networks and fuzzy logic and genetic algorithm | S.Rajasekhran,G.A.Vijaylakshmipai | 10 |
| 36 | Question bank in electrical engineering with more than 17,000 Objectives | J.B.Gupta | 10 |
| 37 | An Integrated Course in electrical engineering | J. B. Gupta | 10 |
| 38 | Electrical Objective | Abhijit Chakrabarti | 10 |
| 39 | Question bank in electrical and electronics engineering | Rai, H. C. | 10 |
| 40 | Problems and Solution in electrical machines and Transformers | S. K. Prasad | 10 |
| 41 | SSC junior engineer exam,Electrical  engineering | KiranPrakashan | 10 |
| 42 | RRB junior engineer, Senior  engineering | KiranPrakashan | 10 |
| 43 | Quantitative aptitude | R.S.Agarwal | 10 |
| 44 | SSC Quantitative aptitude ( air thematic  ability) | Arihant experts | 10 |
| 45 | SSC CGL English language | Kiranprakashan | 10 |
| 46 | Shakuntaladevi Puzzles to puzzles you | Shakuntaladevi | 10 |
| 47 | Shakuntaladevi more puzzles | Shakuntaladevi | 10 |
| 48 | Hi tech vijayarahasyam(telugu edition) | Padmanabham | 10 |
| 49 | [Power Semiconductor Controlled Drives](https://www.google.co.in/url?sa=t&rct=j&q=&esrc=s&source=web&cd=2&cad=rja&uact=8&ved=0ahUKEwirrJq9mfzMAhVEHJQKHZHHC0wQFgggMAE&url=http%3A%2F%2Fwww.goodreads.com%2Fbook%2Fshow%2F4805480-power-semiconductor-controlled-drives&usg=AFQjCNF4gS18t6Zk4HPG3ATXhCPseVwxLQ&sig2=45uxETP8CfDM-IBBCkXE6A) | Gopal K. Dubey . | 10 |
| 50 | Discharge detection in H. V. Equipment | Kreuger, F H Haywood | 1 |
| 51 | Travelling waves of transmission system | L V Bewley | 1 |
| 52 | Insulation Coordination ELBS in H. V. electrical power systems. | Diesendorf w | 1 |
| 53 | Partial discharges in H. V. Equipment | F.Kruguer | 1 |
| 54 | Partial discharges in electrical power apparatus | Dieter Konig,Y.Narayanarao | 1 |
| 55 | Electric machines theory, operation, application, adjustment and control | Charles L.Hubert | 1 |
|  | **Total No. Volumes=496** |  |  |

Tender Notice No: UCEK/CE/Equipment & Furniture/Books/2016-17, Date: 26-07-2016

Item No: 6

Office of the Principal,

UCEK, JNTUK

Specifications

for

Vice-Principal (Academic) Chamber furniture

Tender Notice No: UCEK/CE/Equipment & Furniture/Books/2016-17, Date: 26-07-2016

|  |  |  |
| --- | --- | --- |
| **Specification for Vice-Principal (Academic) Chamber** | |  |
|  |  |  |
| **S.No.** | **MODEL** | **DESCRIPTION** |
|  |  |  |
| 1 |  | Executive Main table top made out of 25mm thick Prelaminated particle board with 2 mm thick PVC edge binding for all the exposed edges supported by modesty panel and Gable ends made out of MDF with black powder coated all the exposed edges |
|  | Main Table Size: 2200 X 1000 X 760 | |
|  | Side Return: Size: 1360 X 450 X 640 | |
|  | |  | | --- | | Mobile Pedestal Size: 420 X 510 X 560 |   Back Storage Unit: Size: 1810 X 460 X 740 ht | |
|  |
| **2** |  | Rectangular Conference Table the Table top is mage of 25mm thich Pre-Laminated Particle Board(PLPB) finished 2mm thick PVC Edge Banding. **SUPPORTS**: Supported on 25mm thick Pre-Laminted Particle Bord(PLPB) Gable Ends & 18mm thick Pre-Laminted Modesty Panel with suitable spacers and levellers. Wire Management: 250mm ABD FLip-up is considered with provision to mount switches.sockets on cable tray provided below worksurface. Size: 2400x1200x750 ht |
| **3** |  | High Mesh Back \*Seat Sliding \*Multilocking Mechanism \*Chrome Base \*Gaslift \*Adjustable Lumbar Support \*Three Way Adjustable Arms \*Headrest \*Glass filled Nylon Castors |
| **4** |  | Medium Mesh Back \* Visitor Chair\* Fixed Arms \* Chromeplated Sledge Base |
|  |  |  |