

KARAIKAL POLYTECHNIC COLLEGE

PIPMATE

(A GOVERNMENT OF PONDICHERRY UNDER TAKING)

VARICHIKUDY – KARAIKAL – 609 609.

**TENDER SCHEDULE FOR THE SUPPLY OF
COMPUTERS, MACHINERIES & EQUIPMENTS**

UNDER

**MODERNISATION & REMOVAL OF OBSOLESCENCE
SCHEME**

FOR THE

**DEPARTMENT OF ELECTRICAL & ELECTRONICS
ENGINEERING**

**Tender Schedule No:3 - Supply of Computers, Machineries & Equipment
for the Department of Electrical and Electronics Engineering**

DUE DATE: 20.01.2011 UPTO 12.30 P.M

**OFFICE OF THE PRINCIPAL
KARAIKAL POLYTECHNIC COLLEGE
VARCHIKUDY-KOTTUCHERRY-KARAIKAL 609 609.**

No:KPTC/MODROBS/Tender Schedule/10-11/EEE/1651

dt. 21.12.2010

TENDER SCHEDULE NO.3

Sealed Tenders are invited for the supply of items listed below

The non-refundable and Non-Transferable tender document can be had from the principal, Karaikal Polytechnic College, Karaikal on any working day on payment of RS.500/- +3.5 % S.T (non refundable) in cash in person or by sending the amount by D.D in favour of the Principal, Karaikal Polytechnic college, Karaikal-609 609. Unless taken in person the Tender forms will be sent by ordinary post only.

This department will not bear any responsibility for delay or loss of Tender forms during Transmit.

The Tender details can also be had by downloading from the website and the same can also be used for participation in the Tender competition. In that case of the Tender, an amount of Rs.500/- +3.5% S.T should be paid by way of D.D drawn in favour of Principal, Karaikal Polytechnic College, Karaikal and it should be enclosed in the Tender bid.

The tender should be placed in a sealed cover with the superscription on the top of envelope as "Tender for the supply of Machineries & Equipments for under Modernization & Removal of Obsolescence Scheme for the Department of Electrical & Electronics Engineering".

The supplier should quote the rates in figures as well as in words. The amount for each item should be worked out and the requisite total amount should be furnished.

The following time schedule shall strictly be applied for this tender.

1. Sale of tender forms in the cash counter,
Karaikal Polytechnic college, Varichikudy, Karaikal --Upto 4.00 P.M on 19.01.2011
2. Last date for receipt of sealed tender in the
Karaikal Polytechnic College, Varichikudy, Karaikal -- Upto 12.30 P.M on 20.01.2011
3. Opening of tender in the chamber of Principal,
Karaikal Polytechnic College, Karaikal 609 609 -- at 3.00 P.M on 20.01.2011

The tender forms are not transferable. Late tenders will not be accepted under any circumstances.

**PURCHASE OF COMPUTERS, MACHINERIES AND EQUIPMENTS
UNDER MODERNISATION & REMOVAL OF OBSOLESCENCE SCHEME
DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING**

Sl.No	Description of items	Brand/Make to be Specified	Rate	Qty.	Total Amount
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A) MICROCONTROLLER LABORATORY:

SL NO	NAME OF THE EQUIPMENT	QUANTITY
1.	8051 Microcontroller Trainer kits.	12
2.	Digital I/O interfacing Kit kit	2
3	Matrix Keyboard interfacing kit	2
4	Seven Segment Display interfacing kit	2
5	LCD Displays interfacing kit	2
6.	Traffic Light Interfacing kit	2
7.	8 bit ADC and 8bit DAC interfacing kit	2
8.	Stepper motor interfacing kit	2
9.	DC Motor control kit	2
10.	Lift Control kit	2
11.	Serial Data transmission kit	2
12.	Printer interfacing kit	2
13.	Digital Storage Oscilloscope	2

B) ELECTRONICS AND INSTRUMENTATION LABORATORY:

SL NO	NAME OF THE EQUIPMENT TO BE PROCURED	QUANTITY
1.	Frequency response of RC coupled Amplifier kit	4
2.	Emitter follower kit	4
3.	Negative feedback amplifier kit	4
4.	RC phase shift Oscillator kit	4
5.	Hartley and Colpitts Oscillator kit	4
6.	JFET Common Source Amplifier kit	4
7.	UJT relaxation Oscillator kit	4
8.	Solar cells	4
9.	Digital multi meters	45
10.	Wheat Stone bridge to measure armature and field resistance kit	3
11.	Anderson bridge to measure inductance kit	3
12.	Schering Bridge to measure capacitance kit	3
13.	Earth Resistance Testing kit To measure earth resistance	3
14.	LVDT to measure Displacement kit	1
15.	Calibration of Load cell kit	1
16.	Single phase alternator (2 KW) with loading arrangement	1
17.	Single phase Induction motor (2KW) with loading arrangement	1
18.	Oil testing kit	2
19.	Motorized winding machine	2
20.	Kit for 1 digit counter using 7490,7447,7475 and seven segment LEDs	4
21.	R-2R Digital to Analog counter kit	4
22.	Verify the operation of ADC kit	4
23.	4bit weighted resistor D/A converter kit	4
24.	Decade counter using 7473 kit	4
25.	4bit BCD counter 7473 kit	4
26.	2 Digit preset table up-down counter kit	4
27.	Presetable 4 bit binary Decade up/down counter kit	4
28.	CRO	5
29.	Digital IC trainer kit includes (Logic gates, flip flops, 4 bit up/down counters, decoders, shift registers etc.,	5

C). PROGRAMMABLE LOGIC CONTROLLERS (PLC)/COMPUTER AIDED DRAWING (CAD) LABORATORY:

SL NO	NAME OF EQUIPMENT TO BE PROCURED	QUANTITY
1.	PLC module with interfacing kit (latest software) a) jogging b) Single phasing preventer	1
2.	LCD PROJECTOR Panel DLP 0.55" LVDS DDP2431 with brilliant colour Aspect ratio 4:3 (native), 5:4, 16:9, 16:10 Optical zoom Manual Focus Manual Focal length / Lens 1:1.1 Brightness 2500 ANSI lumens Lamp 176 W (ECO), 220 W (Normal) Contrast ratio 1500:1 Resolution XGA Screen size 300-300 Projection distance 1.5m to 6m Input signals – Computer VGA(HDX15) X 2 Input signals – Video input S-Video - 1, Composite video - 1 Input audio Audio 3.5mm jack – 1 Output VGA(HD X 15) – 1, Audio 3.5mm jack – 1 Video signal NTSC / PAL / SECAM RGB Signal VGA / SVGA / XGA / SXGA / UXGA Control port Yes, RS 232 Wireless network Yes Embedded speaker 2 W Weight 4 kg Features Direct power ON/OFF, Black board button Ceiling mount kit yes Screen 6' x 4' Cabling and installation Yes	1
3.	LASER printer : HP LaserJet	2
4.	Desktop Computer : Intel Core i3-540 Processor Configuration: CPU: Intel Core i3-540 Processor, 3.06 GHz, 1333 MHz FSB, 4 MB Cache, Mother Board: Intel OEM Motherboard, Hard Disk Drive: 500 GB 7200 RPM serial ATA HDD , Memory: 4 GB (2X2 GB) DDR3 SD RAM 1333 MHz , Monitor: 20" TFT LCD Monitor, Keyboard: Multimedia Mouse : optical , Operating System:Genuine Windows 7 Ultimate (64 Bit) English preloaded	20

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VARICHIKUDY, KARAIKAL – 609609.

TERMS AND CONDITIONS FOR TENDER

The persons and firms intending to offer rate for supply of laboratory equipments and other articles to Karaikal Polytechnic College, Karaikal should observe the Terms and Conditions given below:

1. Only reputed and registered firms need to participate in the tender.
2. Tenders should be submitted for the exact items as per specifications asked for.
3. Tenders received after the due date and time will not be considered.
4. Each tender should be accompanied by an Earnest Money Deposit (EMD) at the rate of 2½ % of the cost of the equipments and machineries for which rates have been quoted. The EMD should be in the form of Demand Draft on any of the Nationalised Banks drawn in favour of 'The Principal, Karaikal Polytechnic College, Karaikal', payable at Karaikal. Cheques and term deposit will not be accepted.
5. The tenders submitted without requisite EMD will be summarily rejected and no request for exemption will be entertained except from the firms registered as Industrial Co-operative Society / Small Scale Industries with Government of Puducherry / N.S.I.C./ D.G.S. & D as applicable. Photostat copy of the valid certificate should be furnished along with the tender.
6. After finalization of the tenders, the unsuccessful tenderer will get back the entire EMD paid.
7. The tenderer withdrawing the tender once submitted / not executing the supply orders will lose the entire EMD paid.
8. The Institute will issue form 'C'/D' applicable to Government Departments as per the Central Sales Tax (Registration and Turnover) Rules, 1957 .
9. The prices quoted should be clearly mentioned in the tender schedule. Any correction in rates shall be attested by the person signing the tender. The price quoted shall be valid for a period of 180 days from the date of opening of the tender.
10. The prices quoted should be inclusive of charges like packing, freight, insurance, excise duty etc., but exclusive of sales tax.
11. No insurance charge will be payable by the Institute.
12. Government of India DGS&D and Government of Puducherry rate contracts have to be compared with lowest price offered by the supplier through tender.

13. The successful tenderer shall furnish performance security deposit at the rate of 10% of the total value of the rates accepted and communicated including the taxes, for the proper execution of the contract and also for the proper functioning and stability of the machinery installed and the work executed during the guarantee period. The performance security will be returned only after the guarantee period as the suppliers are not responding on demand to rectify faults in their supplied items.
14. (For Computer & Peripherals Supplier) The Contractor/Supplier will have to furnish to the Purchaser (Karaikal Polytechnic college) an interest free performance bank guarantee for 10% (Ten percent) of the order value/ contract value by Demand Draft or by way of providing a Bank Guarantee from a Nationalised/Scheduled Bank valid for a period of 12 months/guarantee period mentioned in the order from the date of installation/acceptance for satisfactory performance of the work carried out by the Contractor.
15. The EMD of the successful tenderer will be retained and adjusted towards the performance security deposit and the remaining security deposit shall be furnished within ten days from the date of communication of the acceptance of the tender either in cash or in the form of Bank Guarantee.
16. Installation and demonstration should be done by the tenderer at Institute premises at free of cost. Original manuals are to be supplied for licensed items.
17. The materials/stores shall be guaranteed for satisfactory performance/working for a period of at least 12 months from the date of supply/commissioning. Any defects noticed during this period shall be rectified at free of cost to the satisfaction of the Institute. If the damage is more and the item is not functioning properly at the time of installation, then the entire unit must be replaced with a new one.
18. The requirements found in the schedule are only approximate. The tenderer should undertake to supply those requirements in excess or lesser to those specified in the schedule as per the actual requirement of the Institute.
19. The order will be placed with the successful tenderer for the supply of items. The supply should be made at the supplier's own risk. Damages and breakages, if found in transit, the articles/equipments thereof should be replaced, otherwise the cost will be deducted from the bill.
20. The tenderer shall submit bills in triplicate along with an advanced stamped receipt immediately after execution of the contract for arranging payment. The payment will be made on receipt of said stores items at site in good condition subject to fulfillment of all other terms and conditions of contract.
21. Payment shall be made after executing the contract to the entire satisfaction.
22. Acceptance of the tender will rest with the Principal, Karaikal Polytechnic College, Karaikal, who does not bind himself to accept the lowest tender and reserves to himself the authority to reject any or all of the tenders received without assigning any reasons. The Principal has the power to accept the material of higher cost, if they are of reputed make and are as per the specifications.
23. The tenderer should furnish a certificate as worded below in token of acceptance of all the terms and conditions of the tender. Otherwise the tender will not be considered under any circumstances.

24. *"I/We the undersigned certify that the terms and conditions as contained in the documents viz., 'Terms and Conditions of Tender Notice of Karaikal Polytechnic College, Karaikal' are accepted and that in the event of selection of my/our rates the agreement in the prescribed form will be entered into."*
25. The decision of the Principal, Purchase Committee in all matters relating to this tender shall be final and conclusive. In case of any dispute Puducherry shall be legal jurisdiction.
26. The offer should be mailed in wax-sealed envelopes addressed to **"The Principal, Karaikal Polytechnic College, Karaikal – 609 609"** on or before **20.01.2011 at 12.30 p.m. with superscription "Limited Tender for supply of Computers, Machineries and Equipments"**. The tenders will be opened on the same day at **03.00 p.m. in the presence of all the representatives / tenderers.**

PRINCIPAL