

MODEL POLYTECHNIC COLLEGE, PAINAVU

No. A/130/MPTC/MHRD-PUR/2016-17

15.11.2017

Tender Notice

Model Polytechnic College (under IHRD), Painavu

Idikki District Ph: 04862 – 232246,

E-mail: mpainavu@gmail.com, mptpainavu.ihrd@gmail.com

Web: www.ihrd.ac.in

Separate sealed tenders are invited for the supply of the following items.

| Sl. No | Name of Lab | Tender No. | Cost of tender form |
|--------|-------------------------|------------------------------|---------------------|
| 1 | 25 KVA Diesel generator | No. A/130/MHRD – PUR/2016-17 | Rs. 620+GST |
| 2 | Bio - Medical Lab | No. A/131/MHRD – PUR/2016-17 | Rs. 756+GST |
| 3 | Basic Electronics Lab | No. A/132/MHRD – PUR/2016-17 | Rs. 400+GST |
| 4 | Science Lab | No. A/133/MHRD – PUR/2016-17 | Rs. 597+GST |
| 5 | Mechanical workshop | No. A/134/MHRD – PUR/2016-17 | Rs. 502+GST |

Tender details and specifications can be had from the IHRD web site.

The last date and time of receiving tenders –12.12.2017 at 11 am. Date and time of opening tenders 12.12.2017, 2 pm

N.B – Tender cost as per be norms must be accompanied along with the tender in the form of DD in favour of the Principal Model Polytechnic College, Painavu.

PRINCIPAL

Model Polytechnic College

Painavu, Idukki

Sealed tenders are invited for the supply of the materials specified in the schedule attached below. The rates quoted should be for delivery of the articles at the places mentioned below the schedule. Necessary superscription, due date for the receipt of tenders, date up to which the rates will have to remain firm for noted below. Any tender received after the time fixed on the due date is liable to be rejected. The maximum period required for delivery of the articles should also be mentioned. The bidders are required to furnish EMD @1 % rounded to the nearest rupees of the total amount of the articles tendered for subject to minimum of Rs.1500/-.

THE ACCEPTANCE OF TENDERS WILL BE SUBJECT TO THE FOLLOWING CONDITIONS:

1. Acceptance of the tenders constitutes a concluded contract. Nevertheless, the successful tenderer must within a fortnight/ a month after the acceptance of his tender furnish 5 percent amount of the contract as security deposit and execute an agreement at his own cost for the satisfactory fulfilment of the contract, if so required.
2. Withdrawal from the tenders after it is accepted or failure to supply within a specified time or according to specification will entail cancellation of the order and purchase being made at the supplier expense from elsewhere, any loss incurred thereby being payable by the defaulting party. In such an event the government reserve all the right to remove the defaulter's name from the list of government suppliers permanently or for a specified number of years.
3. Samples, duly listed should be forwarded wherever possible under separate cover and the unapproved samples got back as early as possible by the supplier at their own expenses and the government will no case be liable for any expense on account of the value of the samples of their transport charges etc. In case , the samples are sent by railway the railway receipt should be sent separately and not along with the tender since the tender will be opened only on the appointed day demurrage will have to be paid if the railway parcels are not cleared in time. The approved samples may or may not be returned at the discretion of the undersigned. Samples sent by v.p.p or freight charges will not be accepted.
4. No representation for enhancement of price once accepted will be considered during the currency of the contract.
5. Any attempt on the part of tenders or their agents to influence the officers concerned in their favour by personal canvassing will disqualify the tenders.
6. If any licence or permit is required tenderers must specify it in their quotation and also state the authority to whom application is to be made.
7. The tender may be for the entire or part supplies. But the tenderers should be prepared to carry out such portion of the supplies included in their tender as may be allotted to them.

8. The prices quoted should be inclusive of all taxes, duties, cesses, etc which are or may become payable by the contractor under existing or rules of the country of origin/ supply or delivery during the course of execution of the contract.
9. The tenderer shall quote also the percentage of rebate (discount) offered by them in case the payment is made promptly within fifteen days/ within one month of taking delivery of stores.
10. Special conditions, if any printed on the quotation sheets of the tenders or attached with the tenders will not be applicable to the contract unless they are expressly accepted in writing by the purchaser.

Due date and time for receipt of tenders : 12.12.2017 11 am

Date and time for opening of tenders : 12.12.2017 2 pm

Date up to which the rates are to remain

Firm the acceptance : One month

Designation and address of officer to whom

The tender is to be addressed : The principal, Model polytechnic College ,
Painavu

List of tenders are attached along with required item and their specification

PRINCIPAL

LIST OF TENDERS

No. A/130/MPTC/MHRD – PUR/2016-17

| SL. No. | NAME OF ITEMS/SPECIFICATION | UNIT COST (₹) | QTY RQD | TOTAL COST (₹) |
|---------|--|---------------|------------|----------------|
| 1 | <u>25 KVA DIESEL GENERATOR</u> | 310000 | 1 | 310000 |
| | Specification:- | | | |
| | Features:- A1 Class Governing | | | |
| | Low fuel shut off | | | |
| | High/Low frequency shut off | | | |
| | Quick response | | | |
| | Highly fuel efficiency | | | |
| | Very low noise & vibration | | | |
| | Engine: 33 BHP, 4 Cylinder,A1 class governing, Liquid Cooled | | | |
| | Alternator: 15 KVA, 415 volts, three phase | | | |
| | Control panel:- Standard type1 as per KSEI spec. | | | |
| | Fuel Tank:- MS fule tank of 70 liters capacity | | | |
| | Batteries: SF(EXIDE) make 12 V battery | | | |
| Total | | | 3,10,000/- | |

PRINCIPAL

No. A/131/MPTC/MHRD – PUR/2016-17

| SL. NO | NAME OF ITEMS/SPECIFICATION | UNIT COST (₹) | QTY RQD | TOTAL COST (₹) |
|--|--|---------------|---------|----------------|
| 1 | <u>Heart Rate Monitor cum ECG Trainer</u> | 18000 | 2 | 36000 |
| | Specification:- | | | |
| | Self contained and easy to operate | | | |
| | 3 Digit Digital display of heartbeats/minute | | | |
| | On board Heartbeat event indicator | | | |
| | Separate test points to observe ECG waveforms after each block | | | |
| | On board one minute indicator | | | |
| User selectable Heart Rate, Bradycardia limit, Tachycardia limit display | | | | |
| 2 | <u>Pulse oximeter</u> | 45000 | 1 | 45000 |
| | Specification:- | | | |

| | | | | | |
|---|--|--------------------------------------|--------|-------|--------|
| | Display type | LCD | | | |
| | Display area | 120mmx90mm | | | |
| | Power | 230V,50Hz AC | | | |
| | Battery | Rechargeable NiMH 9.6V/1800mAh | | | |
| | Patient safety | class 1 BF | | | |
| | Measurement range | 0 to 100% | | | |
| | spO2 Accuracy | ±2% for 80 to 100% | | | |
| | Pulse rate range | 30-240 bpm | | | |
| | operating temperature | 10-40 deg.c | | | |
| | Relative humidity | <85% noncondensing | | | |
| 3 | <u>Defibrillator</u> | | 150000 | 1 | 150000 |
| 4 | <u>pH Meter</u> | | | | |
| | Specification:- | | | | |
| | pH range | 0 to 14.00pH | | | |
| | millivolt range | 0 to ±1999mV | | | |
| | Slope correction | 85% to 115% | 16000 | 2 | 32000 |
| | Resolution | 0.01 pH, 1mV mode | | | |
| | Standardisation range | ±1pH | | | |
| | power | 230v±50Hz | | | |
| 5 | Colorimeter 115 Wavelength Range : 400-700 nm with 8 optical filters Filter's peak wavelength (typical): 420nm, 440nm, 520nm, 540nm, 570nm, 600nm, 700nm. Interference filter (optional): 500nm, 546nm, 578nm, 630nm, typical BW of 10nm. Measuring modes: %T, ABS, CONC and K-factor Photometric Solution: 0.1%T, 0.001 ABS. Display: 4-digit LCD | 6000 | 10 | 60000 | 60000 |

| | | | | | |
|--------------|---|-------|---|-------|----------|
| 6 | <p>Audiometer: Test signal type: Pure tone and variable tones. Freq. Range : 0 Hz to 22000 Hz. Freq. Resolution : 1 Hz Freq. Stability: +/- 0.0001 Hz (at 1000 Hz) S/N 96 dB (in 16 bit syatem) Amplitude (SPL) range: -20dB to 100dB Amplitude resolution : 1dB Amplitude stability +/- 0.0003 dB Calibration modes: Aural with +/- 3dB precision and SLM based with +/- 0.1 dB precision test modes : Automatic and manual with instant display of threshold values In automatic mode one can pre select test frequencies for fast testing (eg: 500hz, 1khz, 2khz, 4khz) Harmonic and intermodulation : distortions none</p> | 25000 | 1 | 25000 | 25000 |
| 7 | <p>FETAL DOPPLER WITH DISPLAY LCD display with backlight, can be used in any illumination conditions. High sensitivity probe with 2.0 MHz in continuous wave. Accurate and reliable FHR detection with clear sound. Ergonomic design, portable and convenience. Built-in speaker. Automatically power off. Multi-displaying of FHR: number, battery status indicator, voice intensity indicator. Building-in rechargeable battery and AC recharger. Dimension: 330x230x70mm G. weight: 1.0 KGS</p> | 30000 | 1 | 30000 | 30000 |
| Total | | | | | 30,000/- |

PRINCIPAL

No. A/132/MPTC/MHRD – PUR/2016-17

| SL. NO | NAME OF ITEMS/SPECIFICATION | UNIT COST (₹) | QTY RQD | TOTAL COST (₹) |
|--------|--|---------------|---------|----------------|
| 1 | Power Supply | 7000 | 25 | 175000 |
| | Specification:- | | | |
| | Power Supply ± 15V/2A dual Output fixed power. Regulation Line: 0.05% Load: 0.05% Ripple & Noise: 1mv rms. Protection: Overload & short circuit. | | | |
| | Total | | | 1,75,000/- |

PRINCIPAL

No. A/133/MPTC/MHRD – PUR/2016-17

| SL. NO | NAME OF ITEMS/SPECIFICATION | UNIT COST (₹) | QTY RQD | TOTAL COST (₹) |
|--------|---|---------------|---------|----------------|
| 1 | Telescope | 3000 | 5 | 15000 |
| | Specification:- 20 x.40 x.60 xEyepiece | | | |
| | 30 mm Objective Lens | | | |
| | Diagonal Mirror | | | |
| | 41cm (16")ABS Body | | | |
| | Unique Design with Handy Adjustable Knob | | | |
| | 25cm(10") Tripod | | | |
| 2 | Prism 50 mm | 50 | 20 | 1000 |
| 3 | Sodium Vapour Lamp with box | 6000 | 5 | 30000 |
| | Specification:- Sodium Vapour Lamp (35 Watt), Sodium Lamp Box with Slits & Electrical Fitting (35W), Sodium Lamp Transformer (35 Watt) | | | |
| 4 | Mercury Vapour Lamp with box | 6000 | 5 | 30000 |
| 5 | Optically plane glass plate | 500 | 10 | 5000 |
| 6 | Convex lens 50cm | 50 | 20 | 1000 |
| 7 | Convex lens 10cm | 50 | 20 | 1000 |
| 8 | Convex lens 15cm | 50 | 20 | 1000 |
| 9 | Ammeter 0 to 5 A | 400 | 10 | 4000 |
| 10 | Ammeter 0 to100mA | 400 | 10 | 4000 |

| | | | | |
|----|---|-------|----|-------|
| 11 | Ammeter 0 to 500 μ A | 400 | 10 | 4000 |
| 12 | Voltmeter 0 to 15V | 400 | 10 | 4000 |
| 13 | Voltmeter 0 to 5V | 400 | 10 | 4000 |
| 14 | Sonometer with weight | 500 | 20 | 10000 |
| 15 | Resonance coulumn | 600 | 10 | 6000 |
| 16 | Spring Balance 0 to 20 kg | 500 | 2 | 1000 |
| 17 | Spring Stand | 250 | 20 | 5000 |
| 18 | Stopwatch Digital | 1500 | 2 | 3000 |
| 19 | Stop clock | 400 | 20 | 8000 |
| 20 | Hard Glass test tube | 300 | 10 | 3000 |
| 21 | Thermometer 0 to 100 | 150 | 10 | 1500 |
| 22 | Thermometer 10 to 110 | 150 | 5 | 750 |
| 23 | CRO 30 MHz Channels : 2 Sensitivity : 1 mV/cm Operating modes: ch1/ch2/ch1&ch2/x-y modes Deflection Coefficient: 1 mV to 20 mV/div 12 calibrated steps Accuracy :+/-2% Rise time < 12 nS Input impedance: 1 M Ω CRT : 140 mm rect flat face with internal graticule Display : 8 X 10 cm | 20000 | 1 | 20000 |
| 24 | Signal Frequency Generator Frequency range: 0.2 Hz to 2 MHz Modes : Sine, Square , Triangle, Ramp, pulse with variable duty cycle, DC, FM Square wave rise time < 40nS DC offset adjustment 16X2 LC display Output voltage: 20 Vpp | 10000 | 1 | 10000 |
| 25 | Vernior Calliper wheel type 12 cm S. S | 95 | 10 | 950 |
| 26 | Screw Gauge 25 mm S.S | 95 | 10 | 950 |
| 27 | Simple Pendulam Bob 25 mm Brass | 40 | 10 | 400 |
| 28 | Concave Mirror | 30 | 10 | 300 |
| 29 | Convex Mirror | 30 | 10 | 300 |
| 30 | Convex Lens | 30 | 10 | 300 |
| 31 | White Board | 8000 | 2 | 16000 |
| 32 | Electronic Balance up to 4 places accurate | 20000 | 2 | 40000 |
| 33 | Common balance | 1500 | 10 | 15000 |
| 34 | Bunsen Burner with gas connection | 2000 | 10 | 20000 |
| 35 | Water Purifier | 7500 | 1 | 7500 |
| 36 | Fume Hood set | 15000 | 1 | 15000 |

| | | | | |
|----|--------------------------------------|------|----|-------------------|
| 37 | Electric Heater | 3000 | 1 | 3000 |
| 38 | Burret . 50 ml Straight Bore Borosil | 250 | 10 | 2500 |
| 39 | Standard Flask 100ml | 125 | 10 | 1250 |
| 40 | Conical 250ml | 125 | 10 | 1250 |
| 41 | Beaker 250ml | 85 | 10 | 850 |
| 42 | Glass Funnel 75 mm Borosil | 35 | 12 | 420 |
| | Grand Total | | | 2,98,220/- |

PRINCIPAL

No. A/134/MPTC/MHRD – PUR/2016-17

| SL. NO | NAME OF ITEMS/SPECIFICATION | UNIT COST (₹) | QTY RQD | TOTAL COST (₹) |
|--------|--|---------------|---------|----------------|
| 1 | <u>Hydraulic type heavy duty Power Hacksaw 200 mm with motor</u> | 60000 | 1 | 60000 |
| 2 | <u>Power Hacksaw 20"blade/14"</u> | 25000 | 2 | 50000 |
| 3 | <u>Grinding Machine 1.5HP bench grinder</u> | 20000 | 2 | 40000 |
| 4 | <u>Bending Machine manual 6'</u> | 2000 | 5 | 10000 |
| 5 | <u>Wood Plainer 6'</u> | 25000 | 2 | 50000 |
| 6 | <u>Straight cut snips 10"</u> | 250 | 10 | 2500 |
| 7 | <u>Straight cut snips 8"</u> | 250 | 5 | 1250 |
| 8 | <u>Jack plane wooden 10"</u> | 4000 | 5 | 20000 |
| 9 | <u>Jack plane metal 10"</u> | 800 | 10 | 8000 |
| 10 | <u>Hand saw 12"</u> | 200 | 8 | 1600 |
| 11 | <u>Tennon saw 10"</u> | 200 | 5 | 1000 |
| 12 | <u>Vernier height gauge 1'</u> | 3000 | 1 | 3000 |
| 13 | <u>Slandered wire gauge Circular type SS</u> | 500 | 1 | 500 |
| 14 | <u>Spanner set ring</u> | 2000 | 1 | 2000 |
| 15 | <u>Screw driver set (Star head) 150 mm</u> | 1000 | 1 | 1000 |
| 16 | <u>Vernier callipers 12"</u> | 1000 | 5 | 5000 |
| 17 | <u>Screw gauge 0-25 m m</u> | 1500 | 5 | 7500 |
| | Grand Total | | | 263350 |

PRINCIPAL

