

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 , www.ihrdkerala.org

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 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

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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 fuel tank of 70 liters capacity			
Batteries: SF(EXIDE) make 12 V battery				
Total			3,10,000/-	

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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 safty				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	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 system) 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	25000	1	25000	25000

7	<p>FEOTAL 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/-

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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/-

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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/-

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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

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