

Office of the Principal
MODEL POLYTECHNIC COLLEGE,
(Managed By IHRD, a Govt. of Kerala Undertaking)
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No.C/298/2011/MPTCV(25)

29th August, 2017

TENDER NOTICE NO.01/2017-18

Supply of Electronic Equipment for various department of Model Polytechnic College, Vadakara

Cost of Tender form for original	: Rs.900+12% GST = Rs.1008/-
Cost of Tender form for duplicate	: Rs.504/-
By post (Original)	: Rs.1050/-
Last date and time of sale of Tender form	: 28/09/2017 at 1.00 pm
Last date and time of Receipt of Tender	: 28/09/2017 at 2.00 pm
Date and time of opening of Tender	: 28/09/2017 at 3.00 pm
EMD	: Rs.4210/-
GST No	: 32AAAI0624D1ZJ

Sd/-

PRINCIPAL

MODEL POLYTECHNIC COLLEGE, VADAKARA

LIST OF ITEMS TO BE PURCHASED UNDER MHRD SCHEME

SL. No.	Page No. NITTT & R Approved List	ITEM / SPECIFICATION	QTY RQD
1	Page 13 (Sl.No. 4)	<p>DIGITAL STORAGE OSCILLOSCOPE 50 MHz TWO CHANNEL COLOUR DISPLAY</p> <p>Specification:</p> <ol style="list-style-type: none"> 1. General : Portable, rugged for automatic measurements, auto set features, cursor measurements 2. Real Time Bandwidth : 50 MHz simultaneously on all channels 3. No. of Channels : Two 4. Sample Rate (Max.) : 1 GS/s on all channels 5. Record Length : 2500 Points per channel 6.USB interface - USB host port on front panel supports USB flash drives USB device port on back of instrument supports connection to PC 7.GPIB interface -Optional 8.Data storage- Nonvolatile storage 9.Reference waveform display - 2.5K point reference waveforms 10.Waveform storage without USB flash drive -2.5K point 11.Maximum USB flash drive size - 64 GB 12.Waveform storage with USB flash drive - 96 or more reference waveforms per 8 MB 13.Setups without USB flash drive - 10 front-panel setups 14.Setups with USB flash drive - 4000 or more front-panel setups per 8 MB 15.Screen images with USB flash drive - 128 or more screen images per 8 MB (the number of images depends on file format selected) 16.Save All with USB flash drive - 12 or more Save All operations per 8 MB A single Save All operation creates 3 to 9 files (setup, image, plus one file for each displayed waveform) 17.Autoset menu - Single-button, automatic setup of all channels for vertical, horizontal, and trigger systems, with undo autoset. 18.Square wave - Single cycle, multicycle, rising or falling edge Sine wave - Single cycle, multicycle, FFT spectrum 19.Video (NTSC, PAL, SECAM) - Field: All, Odd, or Even Line: All or Selectable Line Number 20.Power source voltage - 100 to 240 V \pm10% 21.Power source frequency 50 Hz to 60 Hz 22.Power consumption - 30 W maximum 	8

2	Page 13 (Sl.No. 5)	DUAL VARIABLE POWER SUPPLY 0-30 V 2A WITH AUTOMATIC OVERLOAD PROTECTION DC Output : 2 * 0 - 30 V, 2 A continuously variable by means of coarse and fine controls Current limit : 100 mA - 2 A continuously adjustable Resolution : Voltage : 100 mV Current : 10 mA Internal Resistance : \leq 15 mW Stability : 2.5 mV at 30 V / 2A Recovery Time : \leq 50 μ s Load Regulation : \pm (0.05 % + 10 mV) Line Regulation : \pm (0.05% +10 mV) Temperature Coefficient : \pm (0.05 % + 5 mV / °C) Ripple & Noise : \leq 1 mVrms Display : 3 digit for voltage & 3 digit for current LED indication for Voltage & Current Accuracy : \pm (1 % + 1 digit) Over Range Indication : Glowing 'ORA' and 'ORB' LEDs indicate Overload	20
3	Page 14 (Sl.No. 8)	RHEOSTAT Specification: 2.2 K/100mA	10
4	Page 14 (Sl.No. 11)	BREAD BOARD Specification: Size: 220X165X9 mm Tie Point : 1680 with Hylam Sheet	40
5	Page 32 (Sl.No.13)	DECADE CAPACITANCE BOX Specification: Range 100pF - 1.111 μ F \pm 0.05% accuracy two- or three-terminal connection or above	10
6	Page 32 (Sl.No. 14)	DECADE INDUCTANCE BOX Specifications: Decades of 10 μ H, 100 μ H, 1mH, 10mH, 100mH Total Inductance range: 10 μ H to 1H Accuracy: 2.5% for 10 μ H to 10mH & 4.0% for 100mH. Residual Inductance: <2 μ H or above	10

Sd/-
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