

MODEL POLYTECHNIC COLLEGE KARUNAGAPPALLY

(0476-2623597,8547005083)

TENDER NOTICE

Tender No. P/1049/16-17/MPTCK purchasing of Mechanical Tools

- Last date for sale of tender : 19/11/2016-2.pm
- Last date for receipt of tender form : 21/11/2016 4 PM
- Date and Time for opening of tender : 22/11/2016 3PM
- Date up to which the rates are to be firm : 6 Months
- EMD : The amount of EMD shall be one percentage of total cost of articles tendered for. (This is subject to a Minimum of Rs.1500/-)
- Price of tender form : Rs.675 /-
- Price of duplicate copy : 50% of cost of the original copy.
- Place(s) and timing of sale of tender documents: The Principal, Model Polytechnic,
Karunagappally, Edakkulangara PO, Kerala,
PIN-690562
From 19/10/2016 to 19/11/2016 2pm
- Place and deadline for receipt of tenders : The Principal, Model Polytechnic,
Karunagappally, Edakkulangara PO, Kerala,
PIN-690562
From 19/10/2016 to 21/11/2016 4pm
- Place, time & date for opening of tenders : The Principal, Model Polytechnic,
Karunagappally, Edakkulangara PO, Kerala,
PIN-690562
Date: 22/11/2016, 3.00PM
- Any other important information : nil

Detailed specifications:

Sl.No	Name of Items/Specification	Quantity required
1	Power Hacksaw with motor Specification : Hydraulic type heavy duty, Blade size 18 inch	1
2	Metal cutter Specification : Hitachi make , wheel dia 10"	1
3	Gas Welding Kit Specification : Oxygen cylinder capacity 20KG , acetylene cylinder capacity - 20KG , gas welding torch , pressure gauge, gas cutting torch and hand tools etc.	1
4	Arc Welding transformer Specification : ,AC welding transformer 3 phase ,50Hz 440V,200A .	1
5	Vernier Calipers Specification : Vernier Calipers- 300mm NO:1 Mitu toya/ Aerospace	2
6	Bench vice 6" , heavy duty	10
7	Carpenter's vice 8"	8
8	Flat files rough 12"	15
9	Flat files smooth 12"	10
10	Triangular files 12"	10
11	Round files 12"	10
12	Half round files 12"	10
13	Knife edge files 12"	10
14	Square files 12"	10
15	Needle files set	1
16	Tri square 8"	10
17	Steel rule 12"	10
18	'L' square 2'	2
19	Straight cut snips 10"	10
20	Straight cut snips 8"	10
21	Jack plane wooden 10"	5
22	Jack plane metal 10"	10
23	Center punch 4"	6
24	Letter punch 8mm (set)	2
25	Number punch 8mm(set)	1
26	Hack saw 12" (fixed frame)	12

27	Hand saw 12"	10
28	Tennon saw 10"	5
29	Mallet ½ Kg	10
30	Firmer Chisel 1"	10
31	Straight peen hammer 1kg	10
32	Bevel edge chisel 1"	10
33	Vernier height gauge 1'	1
34	Scriber	10
35	Angle plate 9"×9"	1
36	Inside caliper 8"	5
37	Outside caliper 8"	5
38	Slandered wire gauge Circular type SS	1
39	Spanner set ring	1
40	Spanner set double end	1
41	Screw driver set (Star head) 150 mm	1
42	Screw driver set flat 150 mm	1
43	'G' Clamp 8'	10
44	Tap set 6mm to 12 mm set	1
45	Flat tongs 10"	6
46	Wire brushes	6
47	Chipping hammers	6
48	Vernier calipers	10
49	Screw gauge	10

Terms and conditions:

Whether Samples essential : Yes

Period within which goods should be delivered : 15 days

Rates should be quoted for delivery

FOR KARUNAGAPPALLY

AT Model Polytechnic Store, Karungappally

Other special conditions : Terms of Guaranty/ Warranty should be at least 1 year

PRINCIPAL

MODEL POLYTECHNIC COLLEGE KARUNAGAPPALLY

(0476-2623597,8547005083)

TENDER NOTICE

Tender No. P/1023/16-17/MPTCK purchasing of LCD Projector UC 28+PRO, Interactive board

- Last date for sale of tender form : 19/11/2016-2 p.m
- Last date for receipt of tender : 21/11/2016 4 PM
- Date and Time for opening of tender : 22/11/2016 3PM
- Date up to which the rates are to be firm : 6 Months
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- Price of tender form : Rs.675 /-
- Price of duplicate copy : 50% of cost of the original copy.
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From 19/10/2016 to 21/11/2016 4pm
- Place, time & date for opening of tenders : The Principal, Model Polytechnic,
Karunagappally, Edakkulangara PO, Kerala,
PIN-690562
Date: 22/11/2016, 3.00PM
- Any other important information : nil

Detailed specifications:

Sl.No	Name of item with Specification		Qty
1	PROJECTOR -		2
	Technology	3 LCD	
	Colour Light Output	3300 lm or above	
	White Light Output	3300 lm or above	
	Focal Length	3.71mm	
	Throw Ratio	0.27 - 0.37	
	Lamp Life	6000 hrs	
	Lamp Type	245W UHE or economical	
	Contrast Ratio	10000 : 1 or better	
	Resolution	WXGA (1280 x 800)	
	Screen Size (Projection Distance)	97" @ 31.1 cm or shorter	
	Expandable Wall Mount Kit	Required	
	Keystone Correction	Vertical/Horizontal	
	<u>Input Terminals</u>		
	VGA	2 nos	
	Composite (RCA)	Required	
	S Video	Required	
	Mic	Inbuilt	
	HDMI	Inbuilt	
	USB Type A & B	Required	
	Network Interface (LAN)	Inbuilt	
	network Interface (Wireless)	Required	
	Control Interface - RS 232	Required	
	<u>Output Terminals</u>		
	Monitor Out (VGA)	Required	
	Sound Output (Inbuilt)	16 w or better	
Authorisation Letter from OEM	Required		
Wireless Features	Required from smart devices both android and ios		
Multi PC projection	With the control of a host PC, up to 50 terminals can be connected via the multi-PC projection from a single projector		
2	IV. SMART BOARD		2
	Active screen	2000 mm	
	interactive	4 : 3 Aspect ratio	

System requirements	Windows® operating systems, Linux or Mac operating system software
Software	Required Features : Internet Browser, Adaptive Toolbar, Gestures, Magic pen, Recognition features, Screen shade, Page recording, Reset page, Irregular shape fill, Customize toolbar, Export files, Administrator toolkit, Resource gallery & free exchange website for content
Warranty	Two years onsite
Power consumption	<0.5W
Cables	USB Powered
Touch and gestures	Perform mouse functions with your finger, and write and erase digital ink with a pen tray pen or the eraser. The Object Awareness feature enables you to pick up a pen, and then write, select or erase without replacing the pen. This interactive whiteboard also features gesture capability, providing a natural and flexible way to interact with content
Sketch capabilities	Multi touch , minimum 4 nos
Resolution	32767 x 32767
Screen surface	Ceramic Steel
Digitizing technology	IR Multitouch
Projector mounting template	Ensures simple installation and accurate alignment between your projector and your interactive whiteboard
Wall-mount bracket	Required
Computer connection	USB 2.0
Metal Cabinet	Wall Mountable, to keep CPU, UPS, Mouse & Keyboard with locking function. Keyboard & Mouse tray should be in the top

Terms and conditions:

Whether Samples essential : Yes

Period within which goods should be delivered : 15 days

Rates should be quoted for delivery

FOR KARUNAGAPPALLY

AT Model Polytechnic Store, Karungappally

Other special conditions : Terms of Guaranty/ Warranty should be at least 1 year

PRINCIPAL

MODEL POLYTECHNIC COLLEGE KARUNAGAPPALLY

(0476-2623597,8547005083)

TENDER NOTICE

Tender No. P/1026/16-17/MPTCK purchasing of 5KVA Online UPS with Batteries

- Last date for sale of tender form** : 19/11/2016-2.pm
- Due date and time for receipt of tender : 21/11/2016 4 PM
- Date and Time for opening of tender : 22/11/2016 3PM
- Date up to which the rates are to be firm : 6 Months
- EMD : The amount of EMD shall be one percentage of total cost of articles tendered for. (This is subject to a Minimum of Rs.1500/-)
- Price of tender form : Rs.1125 /-
- Price of duplicate copy : 50% of cost of the original copy.
- Place(s) and timing of sale of tender documents: The Principal, Model Polytechnic,
Karunagappally, Edakkulangara PO, Kerala,
PIN-690562
From 19/10/2016 to 19/11/2016 2pm
- Place and deadline for receipt of tenders : The Principal, Model Polytechnic,
Karunagappally, Edakkulangara PO, Kerala,
PIN-690562
From 19/10/2016 to 21/11/2016 4pm
- Place, time & date for opening of tenders : The Principal, Model Polytechnic,
Karunagappally, Edakkulangara PO, Kerala,
PIN-690562
Date: 22/11/2016, 3.00PM
- Any other important information : nil

Detailed specifications:

Sl No	Name of item with Specification		Qty
	5KVA UPS Brand : Powerone, Emerson, APC, Hykon,Eaton		3
I	Input		
a	Voltage	170 V -270V AC	
b	Frequency	50 +/- 2 Hz	
II	Output		
a	Voltage	230V +/- 1%	
b	Frequency	50 Hz +/- 1%	
c	Wave Form	Pure Sine Wave	
d	Voltage Regulation	+ /- 1%	
e	Current Crest Ratio	3:1	
f	Over Load	103%	
i	Rectifier	Constant Current/Voltage Solid State Boost Cum Float	
j			
k	DC Ripple without Battery	< 1%	
l	DC Voltage Stability	+ / - 1 %	
m	Battery Charging Current	8 A (Selectable)	
n	Inverter	Low Frequency PWM 12.5 KHz	
o	Switching Device	IGBT	
p	By-pass	Manual	
III	Efficiency		
	Inverter	>/- 90%	
	Overall	88%	
IV	Alarms		
	Battery Low, Over Load		
V	Indications		
	Mains On, Inverter On, Battery Low, Over Load, Trip		
VI	Display		
	Input & Output Voltage, Battery Voltage, Output Load % & Frequency, Battery Low, Over Load		

VII	Protections	Over Load, Input Low & High, Input Surge, Battery Low & High, Output Short Circuit
VIII	Battery	Quote ISO Certified Tubular batteries Only , Minumum VAH required 18000
IX	Features	With inbuilt Isolation Transformer
X	Warranty	UPS & Tubular batteries - 3 Year Onsite Warranty
Tender Terms & Conditions		
SI No	Tender Points	
1	● Copies of valid ISO 9001 & 14001 Certifications for the products to be enclosed	
2	● UPS should be manufactured in India with proof of Excise Registration Certificate and declaration in OEM letterhead certifying product quoted is manufactured in India.	
3	● Self certification, by the bidder should not have been black listed by any PSU/financial institution/Education/Government establishment/Defence during the last 3 years	
4	● The brand quoted in ups to be with BIS certification. Encl., a copy of it .	
5	● Tender price inclusive with KVAT Only .	

Terms and conditions:

Whether Samples essential : Yes

Period within which goods should be delivered : 15 days

Rates should be quoted for delivery

FOR KARUNAGAPPALLY

AT Model Polytechnic Store, Karungappally

Other special conditions : Terms of Guaranty/ Warranty should be at least 3 year

PRINCIPAL

MODEL POLYTECHNIC COLLEGE KARUNAGAPPALLY

(0476-2623597,8547005083)

TENDER NOTICE

Tender No. P/1024/16-17/MPTCK purchasing of 5KVA Portable silent Diesel Generator

Last date for sale of tender form	: 19/11/2016-2pm
Last date for receipt of tender	: 21/11/2016 4 PM
Date and Time for opening of tender	: 22/11/2016 3PM
Date up to which the rates are to be firm	: 6 Months
EMD	: The amount of EMD shall be one percentage of total cost of articles tendered for. (This is subject to a Minimum of Rs.1500/-)
Price of tender form	: Rs.450 /-
Price of duplicate copy	: 50% of cost of the original copy.
Place(s) and timing of sale of tender documents:	The Principal, Model Polytechnic, Karunagappally, Edakkulangara PO, Kerala, PIN-690562 From 19/10/2016 to 19/11/2016 2pm
Place and deadline for receipt of tenders	: The Principal, Model Polytechnic, Karunagappally, Edakkulangara PO, Kerala, PIN-690562 From 19/10/2016 to 21/11/2016 4pm
Place, time & date for opening of tenders	: The Principal, Model Polytechnic, Karunagappally, Edakkulangara PO, Kerala, PIN-690562 Date: 22/11/2016, 3.00PM
Any other important information	: nil

Detailed specifications:

Sl.No	Name of Item & Specification	Qty
1	<p><u>5KVA Portable silent Diesal generator</u></p> <p>Rating : 5 KVA Phase : Single Frequency : 50 hz Voltage : 230 volts Power Factor : 0.8 Starting System : Electric Fuel Tank : 12.5 ltrs Weight : 195 kg Size : 1140 * 550 * 820 ENGINE: BHP : 7.5 No.Of Cylinder : 1 Displacement : 418 cc RPM : 3000 Bore*stroke : 86*72 mm Cooling: Air cooled Aspiration: Naturally inspirated Type: 4 stroke, Diesel CONTROL PANEL: Voltmeter : Yes Voltage Indicator Lamp: Yes MCB: Yes Starting System : Electric Output Socket:Yes</p> <p>a) Diesel Engine: Standard engine, Water cooled, turbo Charged developing at 1500 RPM under NTP condition of BS: 5514, with tropical radiator air cleaner assembly with safety elements & with vacuum indicator, 12 volts starting system, battery charging alternator, inline fuel pump, spin on fuel, lube filters, industrial silencer.</p> <p>b) Alternator: Standard Alternator, 415v, Three Phase, Self excited & self regulated, with brushless excitation, Band of Voltage Regulation +/- 1% of rated voltage, from no load to full load, Insulation Class 'H'.</p> <p>c) Standard Control Panel : Control Panel as per Kerala Electrical Inspectorate requirements, totally enclosed sheets, CTs of suitable ratings, including Lamp's LOAD ON & SET RUNNING kwh meter.</p>	1

d) Base Frame :

Sturdy, Fabricated, Welded Construction, Channel Iron Base Frame for Mounting the above Engine and Alternator

e) Fuel Tank:

Fuel Tank with mounting brackets, complete with level indicator, fuel inlet & outlet air vent, drain plug, inlet arrangement for direct filling & set of hoses for inlet & outlet.

f) Battery:

12 Volts, charged battery with leads and terminals

g) Specification of Acoustic Enclosure

Outer Body: 1.6 mm thick CRCA sheet Doors 1.6 mm thick CRCA sheet

Inner surface - suitable thickness GI perforated sheet Sound insulation 100mm thick Density 64kg/ m³ Rock wool

The Noise level will be 75 DBA at 1 mtr on free field condition

The Acoustic enclosure parts will be powder coated after 7 Tank pretreatment Process. The Base frame will be properly painted

Terms and conditions:

Whether Samples essential : Yes

Period within which goods should be delivered : 15 days

Rates should be quoted for delivery

FOR KARUNAGAPPALLY

AT Model Polytechnic Store, Karungappally

Other special conditions : Terms of Guaranty/ Warranty should be at least 3 year

PRINCIPAL

MODEL POLYTECHNIC COLLEGE KARUNAGAPPALLY

(0476-2623597,8547005083)

TENDER NOTICE

Tender No. P/1048/16-17/MPTCK purchasing of Smart Class rooms.

Last date for sale of tender form : 19/11/2016-2 p.m

Last date for receipt of tender : 21/11/2016 4 PM

Date and Time for opening of tender : 22/11/2016 3PM

Date up to which the rates are to be firm : 6 Months

EMD : The amount of EMD shall be one percentage of total cost of articles tendered for. (This is subject to a Minimum of Rs.1500/-)

Price of tender form : Rs.1125 /-

Price of duplicate copy : 50% of cost of the original copy.

Place(s) and timing of sale of tender documents: The Principal, Model Polytechnic,
Karunagappally, Edakkulangara PO, Kerala,
PIN-690562
From 19/10/2016 to 19/11/2016 2pm

Place and deadline for receipt of tenders : The Principal, Model Polytechnic,
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From 19/10/2016 to 21/11/2016 4pm

Place, time & date for opening of tenders : The Principal, Model Polytechnic,
Karunagappally, Edakkulangara PO, Kerala,
PIN-690562
Date: 22/11/2016, 3.00PM

Any other important information : nil

Detailed specifications:

Sl.No	Name of item with Specification		Qty
1	I. ULTR SHORT THROW INTERACTIVE PROJECTOR -		4
	Technology	3 LCD	
	Colour Light Output	2700 lm or above	
	White Light Output	2700 lm or above	
	Focal Length	3.71mm	
	Throw Ratio	0.27 - 0.37	
	Lamp Life	6000 hrs	
	Lamp Type	245W UHE or economical	
	Contrast Ratio	10000 : 1 or better	
	Resolution	WXGA (1280 x 800)	
	Screen Size (Projection Distance)	97" @ 31.1 cm or shorter	
	Interactive Features with IR Technology	Inbuilt	
	Input Device	Digital Pen	
	Expandable Wall Mount Kit	Required	
	Keystone Correction	Vertical/Horizontal	
	Teaching Software	Required Features : Internet Browser, Adaptive Toolbar, Gestures, Magic pen, Recognition features, Screen shade, Page recording, Reset page, Irregular shape fill, Customize toolbar, Export files, Administrator toolkit, Resource gallery & free exchange website for content	
	Input Terminals		
	VGA	2 nos	
	Composite (RCA)	Required	
	S Video	Required	
	Mic	Inbuilt	
	HDMI	Inbuilt	
	USB Type A & B	Required	
	Network Interface (LAN)	Inbuilt	
	network Interface (Wireless)	Required	
	Control Interface - RS 232	Required	
	Output Terminals		
	Monitor Out (VGA)	Required	
Sound Output (Inbuilt)	16 w or better		
Authorisation Letter from OEM	Required		
Wireless Features	Required from smart devices both android and ios		

	Multi PC projection	With the control of a host PC, up to 50 terminals can be connected via the multi-PC projection from a single projector		
	Metal Cabinet	Wall Mountable, to keep CPU, UPS, Mouse & Keyboard with locking function. Keyboard & Mouse tray should be in the top		
	II. CERAMIC WHITE BOARD			
2	(Size 84" Diagonal, Surface coating passes through various stages of treatment, under 800° Celsius temperature fused on steel with ceramic green matt paint, Thickness of the sheet is 0.56mm, Surface is totally scratch proof whatever pencil used and rust , proof offers various advantages such as abrasion resistance, shock proof, chemical resistance , fire, water etc., Surface is non pores and attract magnets Premium range chalk boards, Suitable for daily usage in schools, colleges and educational institutions.)			4

Terms and conditions:

Whether Samples essential : Yes

Period within which goods should be delivered : 15 days

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AT Model Polytechnic Store, Karungappally

Other special conditions : Terms of Guaranty/ Warranty should be at least 1 year

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MODEL POLYTECHNIC COLLEGE KARUNAGAPPALLY

(0476-2623597,8547005083)

TENDER NOTICE

Tender No. P/1050/16-17/MPTCK purchasing of Campus Network with Centralized Software Systems.

- Due date and time for receipt of tender : 21/11/2016 4 PM
- Date and Time for opening of tender : 22/11/2016 3PM
- Date up to which the rates are to be firm : 6 Months
- EMD : The amount of EMD shall be one percentage of total cost of articles tendered for. (This is subject to a Minimum of Rs.1500/-)
- Price of tender form : Rs.1013 /-
- Price of duplicate copy : 50% of cost of the original copy.
- Place(s) and timing of sale of tender documents: The Principal, Model Polytechnic,
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PIN-690562
Date: 22/11/2016, 3.00PM
- Any other important information : nil

Detailed specifications:

Sl.No	Name of Items/Specification	Quantity required
1	Campus Networking with centralised software system	
	OFC BACKBONE - CONNECTIVITY <i>(Block A-B)</i>	
	6 Core, SM 9/125 OS2 Outdoor Fiber Cable	100
	6F, 1U, SC SM OS2, Loaded with Pigtailed, Splice tray, adapter & splice protectors	1
	SC-LC Duplex SM Fiber patch cord & Media Converter	2
	HORIZONTAL CABLING (UTP) <i>(For Block A&B)</i>	
	4-pair, Cat6 UTP Cable, roll of 305m(Avg cable length 25mtr/Node)	2200
	CAT6 Patch panel UNLOADED 1 U	4
	Cat 6 UTP Jack with Strain relief and bend limiting boot	100
	1-port British-style faceplate	100
	Cat6 SL Series Patch Cords - 4 Feet-Yellow	100
	Cat6 SL Series Patch Cords - 7 Feet-Yellow	100
	Back box 85 MM X 85 MM	100
	SWITCHES & FIBER TRANSCIEVRS	
	Cisco SG92-24 Compact 24-Port Gigabit Switch <i>(3 Nos For Block A & 2Nos Block B)</i>	5
	1G SFP LC LX Transceiver	2
	NETWORKING RACKS <i>(For Block A&B)</i>	
12U Wallmount rack 600 x 500MM depth ,2 Fan , 2 nos , cable manager 2 nos,PDU 6 soc x 5 amps , H screrws 20 nos, (LAB 1 & 2) <i>(For Block A&B)</i>	2	
9 U Rack 500 MM , 1 fan, modem shelf , PDU 6 socx 5 amps, Hardware screws , Cable manager 01 nos <i>(For Block A)</i>	1	
PVC PIPE AND ACCESSORIES		
25 MM PVC conduit ISI standard with fittings <i>(For Block</i>	100	

A&B)		
INSTALLATION CHARGES		(Block A & Block B)
OFC Laying charges through conduits ***		100
PVC Pipe Laying on walls ,Floors & trenches ***		800
UTP cable laying charges		2000
Information outlet termination , Back box fixing and faceplate fixing charges		90
Rack Fixing charges		3
Fiber core Fusion Splicing charges		12
SOPHOS or Equivalent	(Block A)	
00100iNG-01 CR100iNG Includes Firewall, Bandwidth Management, Multi-Link Management,VPN & On-Appliance Reporting(100 concurrent users)		1
PRC-00100iNG-03 Value Subscription includes Antivirus, IPS, Web & application filter & 24x7 support for 3 Years.	Security	1
SOPHOS Wireless Access point (2Nos For Block A & 1Nos For Block B)		3
Installation charges		1

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