

# **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	<b>Power Hacksaw with motor</b> Specification : Hydraulic type heavy duty, Blade size 18 inch	1
2	<b>Metal cutter</b> Specification : Hitachi make , wheel dia 10"	1
3	<b>Gas Welding Kit</b> Specification : Oxygen cylinder capacity 20KG , acetylene cylinder capacity - 20KG , gas welding torch , pressure gauge, gas cutting torch and hand tools etc.	1
4	<b>Arc Welding transformer</b> Specification : ,AC welding transformer 3 phase ,50Hz 440V,200A .	1
5	<b>Vernier Calipers</b> Specification : Vernier Calipers- 300mm NO:1 Mitu toya/ Aerospace	2
6	<b>Bench vice 6"</b> , heavy duty	10
7	<b>Carpenter's vice 8"</b>	8
8	<b>Flat files rough 12"</b>	15
9	<b>Flat files smooth 12"</b>	10
10	<b>Triangular files 12"</b>	10
11	<b>Round files 12"</b>	10
12	<b>Half round files 12"</b>	10
13	<b>Knife edge files 12"</b>	10
14	<b>Square files 12"</b>	10
15	<b>Needle files set</b>	1
16	<b>Tri square 8"</b>	10
17	<b>Steel rule 12"</b>	10
18	<b>'L' square 2'</b>	2
19	<b>Straight cut snips 10"</b>	10
20	<b>Straight cut snips 8"</b>	10
21	<b>Jack plane wooden 10"</b>	5
22	<b>Jack plane metal 10"</b>	10
23	<b>Center punch 4"</b>	6
24	<b>Letter punch 8mm (set)</b>	2
25	<b>Number punch 8mm(set)</b>	1
26	<b>Hack saw 12" (fixed frame)</b>	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
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- 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,  
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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
1	<b>PROJECTOR -</b>		<b>2</b>
	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	
	<b><u>Input Terminals</u></b>		
	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	
	<b><u>Output Terminals</u></b>		
	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	<b>IV. SMART BOARD</b>		<b>2</b>
	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
	<b>5KVA UPS Brand : Powerone, Emerson, APC, Hykon,Eaton</b>		<b>3</b>
<b>I</b>	<b>Input</b>		
a	Voltage	170 V -270V AC	
b	Frequency	50 +/- 2 Hz	
<b>II</b>	<b>Output</b>		
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	
<b>III</b>	<b>Efficiency</b>		
	Inverter	>/- 90%	
	Overall	88%	
<b>IV</b>	<b>Alarms</b>		
	Battery Low, Over Load		
<b>V</b>	<b>Indications</b>		
	Mains On, Inverter On, Battery Low, Over Load, Trip		
<b>VI</b>	<b>Display</b>		
	Input & Output Voltage, Battery Voltage, Output Load % & Frequency, Battery Low, Over Load		



<b>VII</b>	<b>Protections</b>	Over Load, Input Low & High, Input Surge, Battery Low & High, Output Short Circuit
<b>VIII</b>	<b>Battery</b>	Quote ISO Certified Tubular batteries Only , Minumum VAH required 18000
<b>IX</b>	<b>Features</b>	With inbuilt Isolation Transformer
<b>X</b>	<b>Warranty</b>	<b>UPS &amp; Tubular batteries - 3 Year Onsite Warranty</b>
<b>Tender Terms &amp; Conditions</b>		
<b>SI No</b>	<b>Tender Points</b>	
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 style="text-align: center;"><b><u>5KVA Portable silent Diesal generator</u></b></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 style="text-align: center;"><b>a) Diesel Engine:</b>            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 &amp; with vacuum indicator, 12 volts starting system, battery charging alternator, inline fuel pump, spin on fuel, lube filters, industrial silencer.</p> <p style="text-align: center;"><b>b) Alternator:</b>            Standard Alternator, 415v, Three Phase, Self excited &amp; self regulated, with brushless excitation, Band of Voltage Regulation +/- 1% of rated voltage, from no load to full load, Insulation Class 'H'.</p> <p style="text-align: center;"><b>c) Standard Control Panel :</b>            Control Panel as per Kerala Electrical Inspectorate requirements, totally enclosed sheets, CTs of suitable ratings, including Lamp's LOAD ON &amp; 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/ m<sup>3</sup> 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
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PIN-690562  
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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	<b>I. ULTR SHORT THROW INTERACTIVE PROJECTOR -</b>		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	
	<b>Input Terminals</b>		
	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	
	<b>Output Terminals</b>		
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		
	<b>II. CERAMIC WHITE BOARD</b>			
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.)			<b>4</b>

**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/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	<b>Campus Networking with centralised software system</b>	
	<b>OFC BACKBONE - CONNECTIVITY</b> <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
	<b>SC-LC Duplex SM Fiber patch cord &amp; Media Converter</b>	2
	<b>HORIZONTAL CABLING (UTP)</b> <i>(For Block A&amp;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
	<b>SWITCHES &amp; FIBER TRANSCIEVRS</b>	
	Cisco SG92-24 Compact 24-Port Gigabit Switch <i>(3 Nos For Block A &amp; 2Nos Block B)</i>	5
	1G SFP LC LX Transceiver	2
	<b>NETWORKING RACKS</b> <i>(For Block A&amp;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&amp;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	
<b>PVC PIPE AND ACCESSORIES</b>		
25 MM PVC conduit ISI standard with fittings <i>(For Block</i>	100	

<b>A&amp;B)</b>		
<b>INSTALLATION CHARGES</b>		<b>(Block A &amp; Block B)</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
<b>SOPHOS or Equivalent</b>	<b>(Block A)</b>	
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 <b>(2Nos For Block A &amp; 1Nos For Block B)</b>		3
Installation charges		1

**Terms and conditions:**

Whether Samples essential : Yes

Period within which goods should be delivered : 15 days

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FOR KARUNAGAPPALLY

AT Model Polytechnic Store, Karungappally

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

PRINCIPAL