

Transmission Department
Technical Specification Sheet

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Thermostatic Controller for Gas Fired Geyser

1.	General Requirement:	
	Required rod-and-tube type Thermostatic controller is a mechanical, self-powered control system that does not require electricity.	
1.1	Type:	Mechanical thermostat with rod and tube sensing element
1.2	Application:	Geyser/water heater temperature control
1.3	Sensing Element:	Rod and tube (usually copper or stainless steel)
1.4	Safety Device:	A thermocouple switch that shuts-off the gas supply if the pilot flame gone out.
1.5	Function:	Regulates burner flame based on water temperature
1.6	Pressure Inlet (Max.) For all Gases.	50 mBAR
1.7	Pressure Outlet	3 - 18 mBAR
1.8	Temp Range:	30°C to 70°C \pm 5°C (adjustable)
1.9	Connections:	Gas Inlet: 1/2"NPT, 1/4" NPT for the pilot
1.10	Length of Rod/Tube:	6 inches (for 35 Gallon models).
2.	Material	
2.1	Rod and tube:	Copper or Copper alloy or Stainless Steel or Equivalent
2.2	Body of Thermostatic controller:	Aluminium Alloy or Stainless Steel or Equivalent
2.3	Knobs:	Aluminium Alloy or Fire Resistant Plastic or Equivalent
3.	The bidder shall have to submit following with the bid.	
3.1	Sample of the quoted item.	
3.2	Printed Technical Literature.	


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Pilot Set with Capillary

1.	General Requirement: Required "Pilot set with capillary" combines the safety function (thermocouple detecting flame) and the temperature control function (capillary thermostat regulating water temperature) into a single, integrated control system for a gas-fired Geyser.	
1.1	Type:	Thermocouple or thermopile pilot safety device
1.2	Application:	Controls pilot flame & thermostat of Geyser/water heater.
1.3	Function:	Senses pilot flame, controls gas valve and safety shutdown
1.4	Connections:	1/4"NPT and 1/4" NPT
1.5	Length of Capillary & Pilot tubes:	21 inches to 22 inches
2.	Material	
2.1	Capillary tube:	Copper or Copper alloy or Equivalent with thick long bulb
2.2	Pilot tube:	Copper or Copper alloy or Equivalent
3.	The bidder shall have to submit "Sample" with the bid.	


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Burner Knob with Valve

1. General Requirement:	
Required burner knob fitted with valve to adjust or ON/Off the flame of gas stove.	
1.1	Type: Gas stove burner control knob with integrated valve
1.2	Application: Controls gas flow to burner (on/off, low to high flame)
1.3	Function: Burner ON/OFF
1.4	Size: Standard size for table top gas stove
1.5	Colour: Black
2. Material	
2.1	Knob: ABS PLASTIC or ALUMINIUM ALLOY or Equivalent
2.2	Valve: Copper or Copper alloy or Equivalent
3.	The bidder shall have to submit "Sample" with the bid.


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