


Transmission Department
Technical Specification Sheet

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Thermostatic Controller for Gas Fired Geyser

1.	<u>General Requirement:</u>	
	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.	<u>Material</u>	
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.	


MEHBOOB ALI
 Dy. Chief Manager
 MPL-I Transmission
 Sul Southern Gas Co. Ltd.,

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Pilot Set with Capillary

1.	<u>General Requirement:</u>	
	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.	<u>Material</u>	
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.	


MEHBOOB ALI
Dy. Chief Manager
MPL-I Transmission
Sui Southern Gas Co. Ltd.,

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Burner Knob with Valve

1.	<u>General Requirement:</u>	
	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.	<u>Material</u>	
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.	


MEHBOOB ALI
Dy. Chief Manager
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