Technical Datasheet Domestic Regulator		
General	Service	Natural Gas
	Design	Direct actuating with spring control & diaphragm with an in-built pressure balance. The regulator shall be a single pressure regulator.
	Connection Orientation	90 Degree (Inlet and Outlet Connection)
	Installation	Suitable for Outdoor Installation, Tamper proof and corrosion resistance for a life period of 20 years.
	Installation Position	Horizontal / Vertical
Flow	Capacity	2.5 m^3/hr
Pressure & Temperature	Inlet Pressure	110 Mbar
	Outlet Pressure Set Point	21 mbar(g) (Factory Set Point (selected Spring Range between 30% to 70%of the set value). bidder shall necessarily submit the performance curve & spring range)
	Over Pressure Cut-off Point	Not Required
	Under pressure, Cut-off Point	10-16 mbar (g) (Set point to be specified by vendor.)
	Creep Relief Valve	Not required
	Operating Temperature	0° C to 60 ° C
Body	Casing & Body	ZAMAK - 3 or Die-Cast Aluminum Alloy (If Zamak-3 or die-cast aluminum alloy is used as the body material of the service regulator, the coating is not required but should be weatherproof & corrosion resistant to sustain its life period of 20 years.)
	End Connections	DN 20 / 3/4" outlet NPTF Threaded (Both inlet and outlet). If end connections are differing, the bidder to provide suitable adaptors, etc., shall be of brass material to meet the specified end connections.
	Fire Resistance	As applicable
Internal	Diaphragm	Synthetic Rubber
	Internals	Internal parts shall be Stainless steel, Brass seal of Nitrile Rubber or Aluminum.
Others	Filter	Inbuilt
	Accuracy Class (%)	AC 10 / RG 10 or better complying with EN 88 - 1/EN 334 or equivalent as applicable
	Closing (Lock-up) Pressure	SG 20 or better complying with EN 88-1/EN 334 or equivalent as applicable
	Failure Position	Closed
	Type of Reset	AUTO
Notes: -		
1	Accessories: Filter (built-in), end caps for end connection protection.	
2	The Regulators shall also meet the Technical Standards Petroleum and Natural Gas Regulatory Board (PNGRB) specified.	
3	The successful bidder shall submit the QAP after the placement of the order.	
4	The regulator shall be indelibly marked with details of maximum flow, inlet and outlet pressure range, flow direction, certification, manufacturer name, model name & no., unique serial number, month & year of manufacturing etc.	

Technical Datasheet Service Regulator		
General	Service	Natural Gas
	Design	Direct actuating with spring control & diaphragm with an in-built pressure balance. The regulator shall be a double-stage pressure regulator. The pressure regulator shall be a direct-acting spring control type with a built-in pressure-reducing valve and balance regulating unit to ensure constant outlet pressure.
	Connection Orientation	Inline Inlet and Outlet Connection
	Installation	Suitable for Outdoor Installation, Tamper proof and corrosion resistance for a life period of 20 years.
	Installation Position	Horizontal / Vertical
Flow	Capacity	100 m^3/hr
Pressure & Temperature	Inlet Pressure	2 - 6 bar(g)
	Outlet Pressure Set Point	110 mbar(g)
	Over Pressure Cut-off Point	(Set point to be specified by vendor.)
	Under pressure, Cut-off Point	
	Creep Relief Valve	
	Operating Temperature	0° C to 60 ° C
Body	Casing & Body	ZAMAK-3 - 3 or Die - Cast Aluminum alloy or ASTM A216 WCB (If Zamak-3 or die-cast aluminum alloy is used as the body material of the service regulator, the coating is not required, but it should be weatherproof & corrosion resistant to sustain it's life period of 20 years)
	End Connections	Threaded as per ANSI / ASME B1.20.1 1" X 1.5" (NPTF) If the end connections differ, the bidder shall provide suitable adaptors, etc., of brass material to meet the specified end connections.
	Fire Resistance	As applicable
Internal	Diaphragm	Synthetic Rubber
	Internals	Stainless Steel and Brass Seal of Nitrile Rubber or Aluminum as required for service
Others	Filter	Inbuilt
	Accuracy Class (%)	AC 10 / RG 10 or better complying with EN 334 or equivalent as applicable
	Closing (Lock-up) Pressure	SG 20 or better complying with EN 334 or equivalent as applicable
	Failure Position	Closed
	Type of Reset	Manual
Notes: -		
1	Accessories: Filter (built-in), plastic end caps for end connection protection.	
2	The Regulators shall also meet the Technical Standards Petroleum and Natural Gas Regulatory Board (PNGRB) specified.	
3	The successful bidder shall submit the QAP after the placement of the order.	
4	The regulator shall be indelibly marked with details of maximum flow, inlet and outlet pressure range, flow direction, certification, manufacturer name, model name & no., unique serial number, month & year of manufacturing etc.	