


ANNEXURE - 4

Datasheet for Meter Regulator										Rev.
GENERAL	1	Quantity			Refer MR					
	2	Service			Natural Gas					
	3	Governing Standard			EN 334/ EN88-1/EN 14382					
	4	Installation	Orientation		Outdoor		Horizontal / Vertical			
	5	Line Size & Schedule			N/A					
	6	Connection Orientation			90 Degree					
PROCESS DATA	7	Fluid	State		Natural Gas		Gas			
	8	Inlet Pressure Range			100 mbar					
	9	Flow capacity			Refer Table below					
	10	Outlet Pressure set range			21 mbar(g) (Factory Set Point) (Note-2)					
	11	Over Pressure Shut Off (OPSO)			Not required.					
	12	Under Pressure Shut Off (UPSO)			Required (Refer Note -12).					
	13	CRV Set Point			Not required.					
	14	Operating Temp.			0 - 60 DegC					
BODY	15	Type of Regulator			Direct actuating with spring control & diaphragm with in-built pressure balance.					
	16	Body Size	Port Size		*					
	17	End Conn: Size & Rating			Refer Table below					
	18	Flange to Flange dimension (mm)			Refer Table below					
	19	Body Material			ZAMAK - 3 or Die - Cast Aluminium Alloy (Refer Note-11).					
	20	Internal parts			Stainless Steel and Brass Seal of Nitrile Rubber or Aluminium as required for service					
	21	Diaphragm Material			Synthetic / Nitrile Rubber					
	22	Accuracy Class			AC 10 complying to EN 334 or Equivalent					
	23	Closing Pressure			SG 20 complying to EN 334 or Equivalent					
	24	Failure Position			Close					
	25	Type of reset			Auto					
	26	Accessories			Refer note - 7					
MISC	27	Make			*					
	28	Model No.			*					
S No.	Flow (At actual condition)	Quantity (Nos.)	Regulator outlet setpoint (Factory set)	Size and Rating	F - F Distance (mm)	Cut-off Pressure (mbar)				
						OPSO	UPSO	CRV Set point		
1	2.5 m3/h	Refer MR	21 mbar(g)	DN 20 / 3/4" outlet NPTF Threaded (Both inlet and outlet).	Mfr Std	Not required	Required (Refer Note -12)	Not required		
Notes:										
1	Vendor to specify.*									
2	The regulator shall be indelibly marked with details of maximum flow, Inlet and outlet pressure range, direction of flow, certification, name of the manufacture, model name & no., unique serial number, month & year of manufacturing etc.									
3	Vendor shall submit detailed GA drawing along with part names and MOC of the parts along with datasheets.									
4	Pressure regulator shall be suitable for outdoor installation , tamper proof and corrosion resistance for a life period of 20 years.									
5	Pressure regulator shall be direct acting spring control type with in-built pressure reducing valve and balance regulating unit to ensure a constant outlet pressure.									
6	Refer Standard Specification for Gas Regulators document no. VPC-SPC-5602 for more information.									
7	Accessories: Filter (inbuilt), adaptor of brass material, plastic end caps for end connections protection.									
8	Code Compliance Certificate/ Type approval/ Examination Certificate confirming to the governing standard.									
9	The regulator shall be single or double stage pressure regulator.									
10	Bidder to provide adaptors, fitting including loose nuts, washer etc. of brass material for inlet 1/2" X 3/4" and outlet 3/4" X 3/4" end connections.									
11	If Zamak-3 or die cast aluminum alloy used as body material of service regulator, coating is not required but it should be weatherproof & corrosion resistant to sustain it's life period of 20 years.									
12	Set point to be specified by vendor.									
	CLIENT:		GOA NATURAL GAS PRIVATE LIMITED (GNGPL)							
	PROJECT:		SUPPLY OF NATURAL GAS REGULATOR FOR CITY GAS DISTRIBUTION PROJECT AT NORTH GOA GA							
					D3	16-08-2021	AS	AB	AA	
					C1	02.08.2021	AS	AB	AA	
				REV.	DATE	PRPD	CHKD	APPD		
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