



AAVANTIKA GAS LIMITED  
CITY GAS DISTRIBUTION PROJECT OF INDORE  
CORRIGENDUM – 3



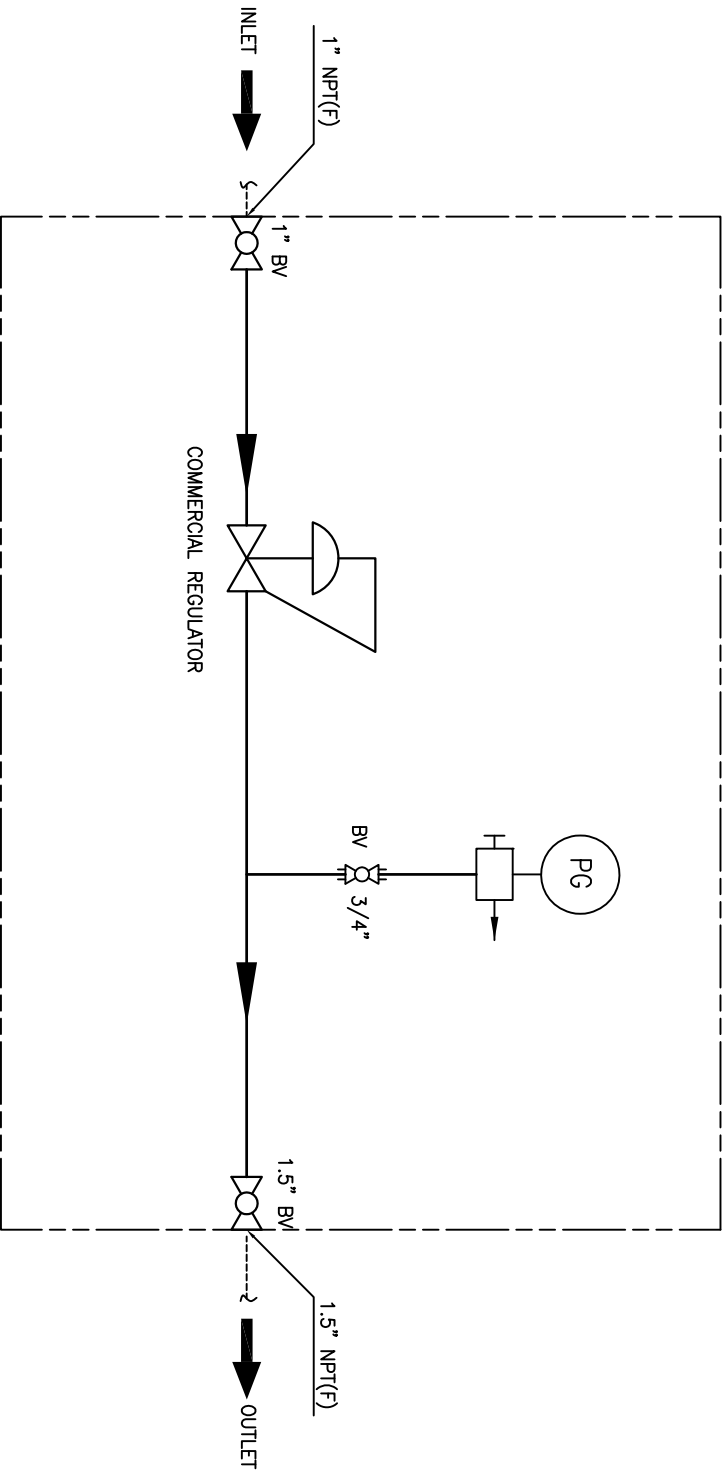
Tender No: 110269/WGI/AGL/16-R0

Dated – 03.05.2011

Sr. No.	Section / Clause No.	Tender Doc. Page No.	Clause Description	Added / Modified / Deleted
1.	Section I / 9.0 / IFB	4 of 95	BID DUE DATE & TIME	Extended up to "09.05..2011,14:00 Hrs"
2.	Section I / 10.0 / IFB	4 of 95	UN-PRICE BID OPENING	Extended up to "09.05.2011 ,14:30 Hrs"
3.	Section II of II Item 4 to 6 Commercial Regulators	Page 4 of 18	Modified as:  OPS, UPS & CRV, Inlet Isolation Valve, PRV with safety features (as per PNGRB specifications), Pressure gauge, Outlet Isolation valve and Enclosure. <b>Two Stage Regulation.</b>	<b>P&amp;ID attached.</b>
4.	Section II of II	Page 17 of 18	Datasheet for Domestic Regulators	Inlet Pressure changed - Revised Datasheet attached.
5.	CORRIGENDUM – 2	S.No. 16	Replies to Techno-Commercial Queries	<b>Read as:</b> "Vol. II of II Domestic Regulators End Connections"

Corrigendum-3 is to be treated as part of the original Tender document and while submitting your offer; Corrigendum-3 shall also be signed, stamped and submitted along with Tender Document.

# TYPICAL P&ID



**DESIGN CONDITION**

ITEM NO.	TYPE	FLOW RATE SCMD	INLET PRESSURE bar(g)	OUTLET PRESSURE bar(g)	INLETxOUTLET
4	TYPE 1	1000	1-4	80-110 mbar	1"x1.5"
5	TYPE 2	600	1-4	80-110 mbar	1"x1.5"
6	TYPE 3	240	1-4	80-110 mbar	1"x1.5"

**NOTES:-**

1. THE WHOLE ASSEMBLY SHALL BE ENCLOSED IN A CABINET PROVIDED WITH LOCK & KEY, WITH FRONT HAVING TRANSPARENT HIGH QUALITY PLASTIC SHEET AND REST MADE FROM 16 GAUGE THICK CRCA SHEETS DULY PAINTED

**LEGEND:-**

- NEW
- BUTT-WELDED BALL VALVE
- BUTT-WELDED GLOBE VALVE
- FLANGED BALL VALVE
- FLANGED GLOBE VALVE
- PRESSURE GAUGE
- SPECTACLE BLIND

REV/	DATE	ISSUED FOR COMMENTS	PAWANI	PS	M/S
0	11.04.11				
		REVISION	PREPD	CHKD	APPD

**CLIENT**  
**AVANTIKA GAS LIMITED**  
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**CONSULTANT**  
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**WOOD GROUP ENGINEERING INDIA PVT. LTD.**  
 NEW DELHI

**PROJECT**  
 CITY GAS DISTRIBUTION PROJECT, INDORE

TITLE					
SCHEMATIC ARRANGEMENT FOR COMMERCIAL REGULATORS					
SCALE	SIZE	JOB NO.	DRAWING NUMBER	SHEET	REV.
N.T.S.	A4	11-0269	11-0269-02-03-01-006	1 OF 1	0



CITY GAS DISTRIBUTION PROJECT



**TECHNICAL DATA SHEET FOR PRESSURE REGULATOR -COMMERCIAL CONSUMER**

<b>General</b>	Service	Natural Gas
	Quantity	As per MR / SOR of Tendor
	Design	Direct acting spring control pressure regulator with in-built pressure reducing valve type balance regulating unit to ensure a constant outlet pressure having excess pressure slam shut device, insufficient downstream pressure slam shut device & relief valve. Two-Stage Regulation.
	Connection Orientation	Inline Inlet and Outlet Connection
	Installation	Suitable for Out Door Installations, tamper proof and corrosion resistance for a life period of 20 years
	Installation Position	Horizontal / Vertical
<b>Flow</b>	Flow Capacity .	1000 SCMD / 40 SCMh ( Item No.4 of MR)
		600 SCMD / 25 SCMh ( Item No.5 of MR)
		240 SCMD / 10 SCMh ( Item No.6 of MR)
<b>Pressure &amp; Temperature</b>	Inlet Pressure	1 bar(g) to 4 bar(g)
	Design Pressure	5 bar(g)
	Outlet Pressure	80-110 mbar(g)
	Outlet pressure set point	110 mbar(g) (Factory Set Point) (Spring Range 75-150 mbar).Bidder shall necessarily submit the performance curve.
	Over Pressure cut of point	(+)10% of Set Point
	Under Pressure Cut of Point	(-) 10% of Set Point
	Creep Relief Valve	125 mbar(g) ( the position of the atmospheric venting shall not be towards vertically top to avoid entry of foreign material in to the regulator).
	Operating Temperature	0° C to 40 ° C , Testing Temperature-60 ° C
<b>Body</b>	Casing	Casing and Body of steel conforming to ASTM A216 WCB and water-weather proof IP 65 / corrosion resistant for outdoor installation..
	End Connections	1" NPT(Female loose nut with suitable washers) inlet and 1.5" NPT (Female loose nut with suitable washers) outlet conforming to ANSI B1.20.1( In case of end connections are differing bidder to provide suitable adaptores of same material of regulator & of approved quality to meet the specified end connections)
	Fire Resistance	As BS 4161
<b>Internals</b>	Diaphragm	Synthetic Rubber (Reinforced )
	Internals	Internals parts shall be Stainless steel, Brass seal of Nitrile rubber or aluminium
<b>Others</b>	Filter / Strainer	Essential (Inbuilt)
	Accuracy Class	AG 5 / RG 5.(Vendor to Specify)
	Closing Pressure	SG 10.(Vendor to Specify)
	Failure Pressure	Closed
	Type of Reset	Manual (Vendor to Specify )
	Line Size	Inlet 1" and outlet 1.5" (For different size regulator , adpoter shall be in vender scope of supply)
<b>NOTE:</b>		
1	The regulator shall be indelibly marked with details of maximum Flow, inlet and outlet Pressure range,direction of flow, name of the manufacturer, model, unique serial number, date of manufacturing etc.	
2	The Vendor shall submit, along with the offer, the manufacturing standards, model number, performance curve, approvals of the statutory bodies and technical details of the model offered. The offered regulators shall be from approved vendor list of WGI/AGL	
	a) Dimensional outlet with mounting details with model number, Part list and technical literatures.	
	b) Connection by purchaser.	
	c) Installation, Operation and Maintenance Instruction manual.	
	d) Testing and Inspection Procedure	
	e) Test, Calibration and certificate from statutory bodies Certificate.	
3	End connections shall be provided by plastic caps.	
4	Regulator shall be sized considering minimum inlet pr. and maximum outlet pressure of set range.	
5	SS tubing of appropriate size for impulse connection of regulator and slam shut valve to be supplied with suitable connectors wherever applicable.	
	<b>DATA SHEET FORL PRESSURE REGULATOR-COMMERCIAL CONSUMER</b>	
	<b>Document No.</b>	<b>Rev.</b>
	11-0269-02-11-02-009	0
SHEET 1 of 1		