



Republic of the Philippines
GENERAL SANTOS CITY WATER DISTRICT
E. Fernandez St., Brgy. Lagao, General Santos City
Telephone No. (083) 552-3824/ Telefax No. (083) 553-4960
E-mail Address: gscwaterdistrict@yahoo.com
www.gensanwater.gov.ph

PROJECT TITLE:

PURCHASE OF 200mm AND 300mm PRESSURE REDUCING AND SUSTING VALVE

LOCATION:

- 1. PUROK UDAGRE, GSC CIRCUMFERENTIAL ROAD, CONEL, GENERAL SANTOS CITY**
- 2. BARANGAY LIGAYA ROAD, LIGAYA, GENERAL SANTOS CITY**

OWNER:

GENERAL SANTOS CITY WATER DISTRICT

TECHNICAL SPECIFICATIONS

Item Description

1. The scope of work for this project of **supply, delivery and commissioning of 1 unit 200mm and 1 unit 300mm** pressure reducing and sustaining valve
2. The project duration is **Ninety (90) Calendar Days** and shall commence after the receipt of Notice to Proceed.
3. The Approved Budget for this Contract is **One Million Six Hundred Thousand Pesos (1,600,000.00)**.

SPECIFICATIONS		Statement of Compliance
A. Main Valve		
Nominal Sizes	: DN200 and DN300	
Main Valve Pattern	: Globe Pattern	
Body and Bonnet	: Ductile Iron	
Body Coating	: Fusion Epoxy Bonded	
Connection Type	: PN16	

Robo Mlatan. New Thought New Service New Commitment



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Position Indicator	:	Stainless Steel 316 or Glass	
Nuts	:	Stainless Steel	
Ball Valve	:	Stainless Steel	
Valve Disc Holder	:	Stainless Steel or Ductile Iron	
Spring	:	Stainless Steel	
Seat	:	Stainless Steel	
Bonnet	:	Ductile Iron	
Stem	:	Stainless Steel 316	
O Rings	:	NBR	
Diaphragm	:	Elastomer EPDM	
B. Pressure Reducing Valve PILOT Circuit			
Opening Speed Controller	:	Stainless Steel 316	
Strainer	:	Stainless Steel	
Pilot Valve Material	:	Stainless Steel	
Tubings and Fittings	:	Stainless Steel	
Spring 1 to 16/20 bar	:	Stainless Steel	
0.2 to 2 bar*			
'15 to 25 bar*			
C. Pressure Sustaining Valve PILOT Circuit			
Pilot Valve Material	:	Stainless Steel	
Tubings and Fittings	:	Stainless Steel	
Spring 1 to 16/20 bar	:	Stainless Steel	
0.2 to 2 bar*			
'15 to 25 bar*			
D. Main Valve Features			
1. Hydraulically operated. Direct sealing diaphragm type.			
2. Must be designed for 25 bar maximum pressure rating (PN25).			
3. Include isolating cocks for pressure gauges (inlet and outlet).			
4. All moving parts and seat made entirely from Stainless Steel 316.			
5. Valve components must be accessible and serviceable without removing the valve from the pipeline.			
6. Visual Position Indicator with high resistance glass and manual air release valve.			
7. Optional anti-cavitation kit.			
8. Operating temperatures from 0°C to 65°C.			
9. Includes pressure gauges for upstream and downstream pressure			
E. Pilot Circuit Features			
1. Completely disassemble in three point using new axial, gaskets less, leak tightness connecting pieces for east service and maintenance.			

Robo Wlaton. Nuw Thunot. Nuw Cawinon. Nuw Pannitunot



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7. Optional anti-cavitation kit.			
8. Operating temperatures from 0°C to 65°C.			
9. Includes pressure gauges for upstream and downstream pressure			
E. Pilot Circuit Features			
1. Completely disassemble in three point using new axial, gaskets less, leak tightness connecting pieces for east service and maintenance.			

Robo Watao. Nuw Thawot. Nuw Cawnia. Nuw Pawmitawot



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2. Includes strainer or filter.	
3. Outlet pressure is adjustable from 1 to 16/20 bar with one spring only.	
4. Includes opening speed controller device.	
5. Leak-tightness at nil-flow rate.	
6. Circuit and components entirely made of Stainless Steel 316.	
F. Performance	
1. The sustaining pilot keeps the upstream pressure above the pilot setting regardless of downstream flow.	
2. The valve will reduce the higher upstream pressure and keep the downstream pressure as the pilot setting (adjustable).	
3. Ensures stability and set-point precision over the full range of operation.	
4. Supply a low-service with a high-service network.	
5. Extend the range of normal use of valve to particularly harsh operating regimes without a risk of damage.	
6. Balance the supply of an interconnected network with a number of resources with a higher and different pressures.	
G. Required / Standard Markings (Compliance upon Delivery)	
1. Standard product name plate attached to the valve body containing applicable information such as brand name, serial number, model, pressure rating, etc.	
2. Manufacturer's Name / Logo (embossed) (DTI Standard)	
H. Terms and Conditions (Compliance upon Delivery)	
1. Warranty must be one (1) year from date of acceptance. (Compliance upon Delivery)	
2. Bidder must submit brochures / product catalog containing Technical Data, Design Specifications, Characteristic and Performance, Shop Drawings, and other pertinent information of the product.	
3. Training and commissioning for installation, pressure settings and maintenance of the product is included. (Compliance upon delivery).	

Paalaan. Paalaan. Paalaan. Paalaan. Paalaan.



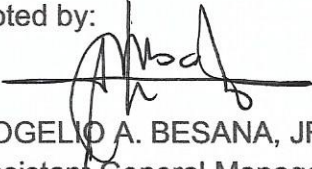
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Saba Water. Dug. Tugnot. Dug. Cawis. Dug. Commitment