



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 PRESSURE REDUCING VALVE

LOCATION:

1. 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 2 units 150mm Ø and 2 units 100mm Ø Pressure Reducing 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 Four Hundred Thousand Pesos (1,000,000.00)**.

SPECIFICATIONS		STATEMENT OF COMPLIANCE
A. Main Valve		
Nominal Sizes	: DN 100, DN150	
Main Valve Pattern	: Globe (Straight Flow)	
Body and Bonnet Material	: Ductile Iron	
Body Coating	: Epoxy	
Connection Type	: Flange type (ISO 7005-2)	
Position Indicator	: Stainless Steel 316 or Glass	
Nuts	: Stainless Steel	
Ball Valve	: Stainless Steel	

Safe Water Our Threat Our Passion Our Commitment



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Valve Disc Holder	:	Stainless Steel or Ductile Iron	
Drain Plug	:	Stainless Steel	
Spring	:	Stainless Steel	
Seat	:	Stainless Steel	
Guide	:	Brass	
Stem	:	Stainless Steel 316	
O Rings	:	Elastomer EPDM	
Diaphragm	:	Elastomer EPDM	
B. Pilot Circuit			
Opening Speed Controller	:	Stainless Steel 316	
Strainer with G 3/8 Screen	:	Stainless Steel CF8M	
Pilot Valve Material	:	Stainless Steel	
Tubing and Fittings	:	Stainless Steel	
Spring: 1 to 16/20 bar	:	Stainless Steel	
0.2 to 2 bar*			
15 to 25 bar*			
C. 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. Full hot epoxy coating with minimum thickness 250 μ .			
7. Visual Position Indicator with high resistance glass and manual air release valve.			
8. Includes drain plug in the body.			
9. Optional anti-cavitation kit.			
10. Operating temperatures from 0°C to 65°C.			
D. Pilot Circuit Features			
1. Completely disassemble in three points using new axial, gasketless, leaktightness connecting pieces for easy service and maintenance.			
2. Includes strainer or filter.			

Paala ng Matalim, Duma ng Tugon, Duma ng Pagninibay, Duma ng Pagmamitang



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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	
E. Performance	
1. The valve reduce and stabilize the pressure of a downstream network supplied by a higher pressure upstream network, irrespective of variations in upstream and the flowrate.	
2. Ensures stability and set-point precision over the full range of operation.	
3. Supply a low-service network with a high-service network.	
4. Extend the range of normal use of valve to particularly harsh operating regimes without the risk of damage.	
5. Balance the supply of an interconnected network with a number of resources with higher and different pressures.	
F. 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)	
G. 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. (To be submitted during opening of Bids)	
3. Training and commissioning for installation, pressure setting, and maintenance of the product is included. (Compliance upon delivery)	

Prepared by:


JOHN REY M. CAWIT, MPA
 TWG- MEMBER

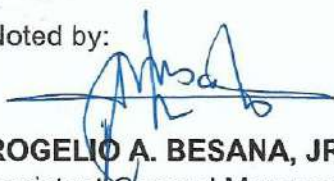
Pala Malatay. Nuu Tubnat Nuu Pannia Nuu Pannituanat



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