



### TECHNICAL SPECIFICATION

**TITLE:**

PURCHASE OF ONE (1) BRAND NEW HEAVY EQUIPMENT VEHICLE BACKHOE LOADER

**A. SCOPE OF CONTRACT**

The scope of work shall be supply and delivery of One (1) Brand New Heavy Equipment Vehicle Backhoe loader to General Santos City Water District.

**B. TECHNICAL SPECIFICATIONS:**

MODEL	
DRIVE SYSTEM	<ul style="list-style-type: none"> <li>- Servo controlled Axial Piston Variable displacement Double Pumps driving radial piston, Multi-stroke hydraulic motors enabling forward and reverse motion</li> <li>- Service Brake is provided by Hydraulic Driving System</li> <li>- Spring on, hydraulic pressure off park brake system</li> <li>- Travel speeds 0-12 km/hr forward &amp; reverse</li> </ul>
GROSS VEHICLE WEIGHT	<ul style="list-style-type: none"> <li>- Operating weight with standard equipment : 3800 kg</li> <li>- Operating weight (include machine equipped with 420 mm backhoe bucket, shovel without forks, with 75 kg operator weight and full fuel tank</li> </ul>
PAYLOAD (kg)	
CAB AND HOOD	<ul style="list-style-type: none"> <li>- Ergonomic &amp; Esthetic Interior Design provides max. Space</li> <li>- Wide Visual Angle</li> <li>- Full Rops/ Fobs cab with sound proofing</li> <li>- Two joysticks for all controls ergonomically mounted on seat</li> <li>- Air conditioner</li> <li>- Multi-functional Seat with Seatbelt</li> <li>- Easy to read full color LCD display</li> <li>- Ergonomic &amp; Elegant hand &amp; foot Throttle</li> <li>- Battery Isolator</li> <li>- Ease of service maintenance</li> <li>- Well protected fuse box inside the operator cab</li> </ul>
TRANSMISSION	
TIRES: FRONT	10 x 16.5 10 Pr Skz
REAR	10 x 16.5 10 Pr Skz
FUEL TANK CAPACITY (L)	
ENGINE:	<ul style="list-style-type: none"> <li>- High power and torque output, water cooled turbocharged diesel engine</li> <li>- Compatible with USA EPA Tier 3 Interim European ELJ Stage III-A exhaust gas emission regulations</li> </ul>
EMISSION STANDARD	
TYPE	Diesel Engine, 4 In-line



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<b>FUEL INJECTION SYSTEM</b>	
DISPLACEMENT (cc) BORE x STROKE (mm)	2434 ( 87 x 102.4 )
<b>PERFORMANCE:</b>	
MAX. POWER (ps/rpm, kW/rpm)	44 kW , 59 Hp / 2700 rpm
MAX. TORQUE (kgf. m/rpm, Nm/rpm)	160 Nm / 1600 rpm
COMPRESSION RATIO	
<b>HYDRAULIC SYSTEM:</b>	
MAIN PUMP FLOW	61 L/min, 2700 rpm
PRESSURE	220 bar
TRAVEL PUMP FLOW	243 L/min, 2700 rpm
PRESSURE	400 bar
CONTROLS	- Ergonomic servo controlled joysticks mounted on the seat control driving and front loading operation. Same joysticks also control backhoe operation when the operator seat is turned to backhoe side

#### Terms and Conditions:

- I. The winning bidder shall secure one (1) year comprehensive insurance from the Government Service Insurance System (GSIS) with the inclusion of Acts of Nature (AON), theft and on damage.
- II. The winning bidder shall provide Three (3) years or One Hundred Thousand (100,000) kilometres warranty whichever comes first on the vehicle unit and its accessories. Warranty period shall commence from the date of final acceptance.
- III. Labor and consumables (e.g. oil and filters) on the first preventive maintenance shall be shouldered by the winning bidder and labor only on the succeeding years of the warranty period.
- IV. Markings on the vehicle body particularly the GSCWD official logo, "General Santos City Water District" and "for official use only" shall be provided by the winning bidder.
- V. The winning bidder shall provide two (2) sets of early warning device (as per LTO standard), one (1) unit spare tire, one (1) unit hydraulic jack and one (1) unit tire wrench.
- VI. The vehicle unit shall be delivered to GSCWD office and shall be within the period of Ninety (90) calendar days from the date of receipt of Purchase Order (PO).




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Prepared by:

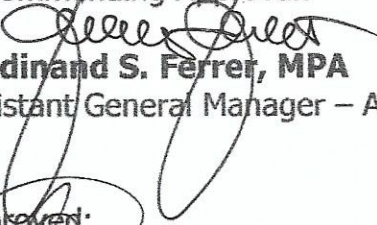
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