



## **TECHNICAL SPECIFICATION**

### **TITLE: PURCHASE OF BRAND NEW SUBMERSIBLE MOTOR**

#### **1.0 SCOPE OF CONTRACT**

The scope shall be supply, delivery and commissioning of brand new submersible motor to General Santos City Water District (GSCWD).

#### **2.0 MOTOR OPERATING REQUIREMENTS**

<b>Particulars</b>	<b>Requirements</b>
Motor Rating Power HP	75
Motor Rating Power kW	55
Rated Voltage	460v
Phase	3
Service Factor	1.15
Power Factor(4/4)	0.8
Design point	3400-3600RPM
Winding	Encapsulated in anti-tracking resin (non-rewindable)
Stator area	Hermetically-sealed
Water-block lead	Removable connection
Flange design	Double
Shell	Stainless Steel
Shaft	Splined stainless steel
Thrust bearing	water lubricated
Diaphragm	Pressure equalizing
Slinger	Sand Fighter
Lead wire configurations	3
Bar rotor	Copper
Minimum Motor Resistance (Mega ohms)	1000 for not spliced, not submerged; and 500 or above for submerged



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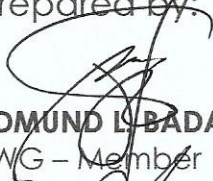
### **3.0 TERMS AND CONDITIONS**


- a) The scope of work shall be supply, delivery and commissioning of brand new submersible motor to General Santos City Water District (GSCWD).
- b) The winning bidder is required to submit actual documents (manuals, data sheets, manufacturer's test results, name plate specifications and etc.) of the unit.
- c) That during the installation and commissioning of the unit, the winning bidder shall be required to send a technician. All relevant and incidental cost (transportation, accommodation, allowances and etc.) in the commissioning of the equipment shall be shouldered by the winning bidder.
- d) Field testing shall be made once the unit are ready for operation and when both the GSCWD and winning bidder have finished their scopes of work on the installed unit. GSCWD engineers shall conduct field testing with the presence of winning bidder's representative. In case the unit failed to pass the field testing, the winning bidder shall make necessary corrections / changes to replace the unit without cost to GSCWD.



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- e) The winning bidder shall deliver the submersible motor within **thirty (30)** calendar days upon receipt of Purchase Order (PO).
  - f) The winning bidder shall be subjected to Liquidated Damages (LD) for each day of delay as provided by the IRR of RA 9184.
  - g) The submersible motor must comply with PEC standard as to their current rating with load and without load.
  - h) That the winning bidder shall issue a warranty certificate of not less than one (1) year and the warranty shall commence from the date of commissioning of the Submersible Motor.
  - i) That the bidder must have an available qualified and trained technicians 24/7 in case of equipment failure.

Prepared by:

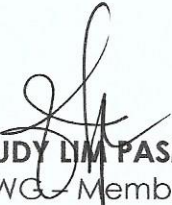
  
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