



## Quotation

Company: JMW Farms Ltd

Contact: Mr. Michael Rolston

Date: 2<sup>nd</sup> December 2018

Our Ref.: E0431/18/A

**Project: Slurry Storage Tank – Thefford IP26 5LQ**

### **GENERAL DESCRIPTION:**

The Aqua-Tank is constructed from Pre-cast Concrete Panels. The Panels are provided with Ducts into which PE-Sheated and grease-impregnated 7 wire Single Strand Tendons are treaded and post-tensioned after erection of the Panels. The anchors for the strands are placed in a buttress, forming part of a special panel.

The Aqua-Tank Precast Wall Structure is installed onto a cast insitu concrete Base-slab formed to suit the Precast Wall Structure. After installation an internal and external Ringbeam is cast at the Wall/base interface providing a watertight Seal.

### **SCOPE OF WORK:**

The scope of work covered in this Quotation is the following for the required Precast Tank structure:

- Casting of standard insitu concrete base assuming proper ground conditions. Design of the base-slabs is based on the assumption that there are no external hydrostatic loadings impacting on the structures.
- Pre-manufacture, delivery and installation of the precast concrete wall structure.
- Casting of the insitu concrete wall/base seal
- Provision of holes for pipe penetrations – range to be agreed.
- 5" over the top filling pipe – 6" emptying pipework with Sluice Valves & Baur coupling
- Gantry's – including ladder

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#### **A-Consult Limited**

The Barn • Manor Business Park • East Drayton • Retford • DN22 0LG  
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Registered in England No. 05132425 • Registered Office: St. Hugh's • 23 Newport • Lincoln • LN1 3DN



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### Storage Tanks – 6,513m<sup>3</sup> Capacity

- 1.1 1 No. AQUA-TANK Type: N6000/56+2B/2  
Wall height: 6.00 m  
Internal Diameter: ~38.141 m  
Capacity: 6,513m<sup>3</sup> allowing 300mm freeboard  
Gross Capacity 6,855m<sup>3</sup> allowing zero freeboard  
Design Criteria:  
Internal: Hydrostatic Pressure to 5.70 m  
External: Backfill to max. 2.0 m from top of base Level  
Density: 19 kN/m<sup>3</sup> – Factor Soil at Rest: K<sub>o</sub>=0.40  
No Hydrostatic Pressure
- 1.2 1 No. Concrete base to suit the above Precast Tank Structure  
Thickness: 150mm  
Diameter: 26.00m  
Reinforcement: A252 Fabric – 1 Layers.  
Slope: N/A  
Design: Base Centre strengthening to support precast column  
Sump/hopper: N/A
- 1.3 1 No. Wall/Base seal for above Wall Structure  
– including hydrophilic sealant for same
- 1.4 1 No. 6" empty pipe with Baur coupling and sluice valves  
1 No. 5" over the top filling pipework  
2 No. Galvanised gantries c/w ladder.

**COST FOR EACH TANK – ex. VAT**

**£.133,500.00**

### ***Additional items if Required***

- 1.5 2 No. Stallkamp TMR type 3-220 22kw Submersible mixers with all brackets, poles, star delta on/off Switchboxes – excluding electrical installation

**Cost of Mixers – Delivered and installed (excl electrical)– ex VAT £.**

**£. 17,250.00**

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**Please note, that the estimated prices excludes:**

- Excavation & provision of a suitable Sub-base (bearing capacity of 150 kN/m<sup>2</sup>) to within +/- 10 mm of Levels shown on Construction Drawings to be issued by A-CONSULT.
- Drainage of excavations during the construction period.
- Backfilling around Concrete Tank Structure – if required.
- Water testing of Structures – if required.

Tank to be designed for back-fill (free-draining material density of 19kN/m<sup>3</sup>, Ko=0.4) to max. 2.00 m from top of Base level. No external Water Pressure impacting on the Structures have been assumed.

**Terms and Conditions:**

This estimate is subject our "Standard Conditions of Sale".

VAT: Prices quoted are exclusive of VAT, which will be charged in addition.

Payment: To be agreed

Cranage: Estimated price assumes use of a max. 50 T All Terrain crane

Site Location: Thetford – IP26 5LQ

Delivery time: To be agreed

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