



# **AZTEC** *Engineering Company Limited*

## **DRILLING CONTRACTORS**

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### **AZTEC WATER WELL TESTING DIVISION Major Equipment List**

#### **1 CONTROL CABINS**

- 1.1 Insulated cabin equipped with:
  - 3" flow manifold
  - 3" impeller type flow meter with digital recording of cumulative total and instantaneous flow rates
  - 3" electromagnetic flow meter with digital recording of cumulative total and instantaneous flow rates
  - 37kW ABB frequency controller for submersible motor drive
- 1.2 Insulated 20TEU shipping container equipped with:
  - 4" flow manifold
  - 4" impeller type flow meter with digital recording of cumulative total and instantaneous flow rates
  - 4" ultrasonic flow meter with digital recording of cumulative total and instantaneous flow rates
  - 37kW ABB frequency controller for submersible motor drive
  - 75kW ABB frequency controller for submersible motor drive
- 1.3 20' Refrigerated shipping container equipped with:
  - 6" stainless steel flow manifold
  - 6" impeller type flow meter with digital recording of cumulative total and instantaneous flow rates
  - 6" ultrasonic flow meter with digital recording of cumulative total and instantaneous flow rates
  - 250kW ABB frequency controller for submersible motor drive

#### **2 SUBMERSIBLE PUMPS**

- 2.1 Grundfos SQ5-70 220V single phase 3" pump with 2.4kW motor
- 2.2 Grundfos SP3A-12 380V 3 phase variable speed 4" pump with 0.75kW motor
- 2.3 Grundfos SP14-8 380V 3 phase variable speed 4" pump with 5.5kW motor
- 2.4 Grundfos SP60-14 380V 3 phase variable speed 6" pump with 26kW motor
- 2.5 Grundfos SP360-6F 380V 3 phase variable speed 12" pump with 250kW motor
- 2.6 E-Tech VS60-18 380V 3 phase variable speed 6" pump with 37kW Franklin Hi-Temp 90°C motor
- 2.7 E-Tech VS97-13 380V 3 phase variable speed 8" pump with Franklin 55kW Hi-Temp 70°C motor
- 2.8 Shakti QF270-7AA 380V 3 phase variable speed 10" pump with 75kW motor
- 2.9 Sun submergible sump pump with 4" discharge

#### **3 COLUMN PIPE**

- 3.1 500m. X 2-3/8" OD external flush taper thread column pipe with elevators and handling tools
- 3.2 300m. X 3-1/2" OD external flush taper thread column pipe with elevators and handling tools
- 3.3 150m. X 5" ID internal flush column pipe with flanged connectors and integral 1" observation tubes
- 3.4 150m. X 8-5/8" OD column pipe with tapered threads, elevators and handling tools

#### **4 GENERATING SETS**

- 4.1 2ea. 50kVA Leroy Somer alternators powered by Isuzu 6BD1 diesel engines
- 4.2 150kVA Leroy Somer alternator powered by Isuzu 6SDS1 turbocharged diesel engine
- 4.3 625kVA Stamford alternator powered by Cummins KT19 turbocharged diesel engine

#### **5 CRANES**

- 5.1 Tadano Super Z500 5 ton truck crane
- 5.2 XCMG SQ16SK5Q 16 ton truck crane

#### **6 VEHICLES**

Vehicles such as 4x4s, trucks, trailers, crane carriers, fuel tankers rented in country of operation

#### **7 TRANSDUCERS**

- 7.1 Levellogger Gold transducers and cables for 5, 10, 20, 50 and 100m. drawdowns
- 7.2 Barologger transducers for barometric pressure compensation

#### **8 COMMUNICATIONS**

- 8.1 BGAN satellite terminal for voice and data communication