

ANNEXURE A

SPECIFICATION TO SUPPLY AND DELIVER TENSIONING MACHINE WITH ACCESSORIES FOR M56 BOLT FOR THE CIVIL MAINTENANCE DEPARTMENT IN THE PORT OF RICHARDS BAY

SPECIFICATION:

Tensioning machine for M56 bolts to come with:

- 6 x Ten Tec Compact-8 Subsea M56 x 4 Tensioner Pullers Stainless Steel Insert Type Tensioner c/w Nipple and Coupling
- 1 x Ten Tec Hydraulic Pump unit – 1500 bars
- 1 x 3m - Hydraulic Link Hose - 1500 Bar Male and Female connections.
- 4 x 2m Hydraulic Link Hose – 1500 Bar c/w male and female connections
- 2 x Spare seal kit to suit
- 1 x Pelican case to fit components

Specification:

- 1500 Bar Air Pump
- PAXX Air powered hydraulic pumps – optimized for pressurizing hydraulic bolt tensioners
- Stainless steel frame
- Dual scale pressure gauge
- Air pressure safety relief valve
- Custom 116 series stainless steel quick connectors
- Custom stainless steel oil reservoir tank
- Outlet pressure regulator
- 4.5L tank
- Weight: 19.5kg

- **Additional Requirements:**

- The Tensioning Machine must come with a warranty for 12 months.
- Maintenance Plan for the Tensioning Machine
- Provide training to a team of employees

Features:

- The machine must be able to apply force of 160 kN
- Custom Corrosion Resistant Surface Treatment
- Suitable for usage under sea water
- Highly resistant to saltwater corrosion, galling and pickup
- Corrosion resistant seal kit upgrade
- c/w stainless steel N/C
- Versatile and reliable hydraulic tensioner
- Suitable for all bolting applications
- Optimized for underwater applications
- Interchangeable parts
- Oil pressure calculations
- Special bridge for tight clearance
- Twin
- Special load requirements
- Weight: 9kg