

## SCOPE OF SERVICES

### SUPPLY AND DELIVER AND INSTALL GATE MOTORS INCL. ALL ACCESSORIES FOR THE GATES INSIDE THE PORT OF RICHARDS BAY.

#### 1. SCOPE

It is herein required that the supplier supplies, delivers and installs the gate motors with accessories as per the **Centurion or similar approved** to the gates site in the Port of Richards Bay.

##### **Items that will be required for delivery:**

- The delivery vehicle must have a valid permit to enter the Port of Richards bay in order to deliver.
- The delivery vehicle must have amber and reverse lights for safety reasons to enter the site.
- The delivery vehicle driver must have a valid driver's licence and a valid certificate to operate the crane when off- loading the material on site.
- The driver must have his own assistants and wear full PPE when entering the site.
- A method statement and risk assessment must be provided before installation.
- All personnel doing installation must have valid medical fitness test certificates.
- All personnel that will be doing the installation must be inducted by Transnet before executing any works.

#### 2. Existing gates.

##### **Swing Gates:**

- Two gates are 6m wide 2 leaf steel palisade swing gates. Each leaf (3m wide x 2450m high) weighs at ± 30kg.

##### **Technical data as follows:**

Type:	Auto-mate
Motor Voltage:	12V DC
Absorbed current:	160mA battery charger
Output toque:	120Nm
Peak motor power:	120W
Operations in back-up mode:	15
Opening time:	±14sec
Duty cycle:	50%
Maximum gate size per leaf:	3m / 250kg
Anti-crushing sensing:	Electronic
Mass of double leaf kit:	61kg

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Respondent's Signature

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Date & Company Stamp

**Sliding Gates:**

- Two gates at 11m & 4.4m long, 2.4m high sliding gates, type: ClearVu, supplied by Cochrane. The gate weighs about  $\pm 702\text{kg}$  &  $\pm 280\text{kg}$ , respectively.

- **Technical data as follows:**

Type:	D10
Input voltage:	220V AC $\pm$ 10%, 50Hz
Motor voltage:	24V DC
Motor power supply:	Battery driven (standard capacity – 2 x 7Ah)
Battery charger:	2A 27.5V
Current consumption (mains):	170mA
Current consumption (motor at rated load):	4A
Operator push force	Starting: 40kgf
Operator push force	Rated: 30kgf
Maximum gate mass:	1000kg
Maximum gate length:	100m
Maximum gate speed:	22 – 226m/min
Manual override:	Lockable lever with key release
Maximum number of operations per day:	750
Duty cycle (mains present):	45%
Operations in standby with 2 x 7Ah Batteries	
	Half day: 87
	Full day: 69
Collision sensing:	Electronic
Operating temperature range:	-15°C to +50°C
On-board receiver type:	CENTURION rolling code multichannel
Receiver code storage capacity:	500 transmitter buttons
Receiver frequency:	433MHz
Mass of unit:	13kg
Packaging dimensions:	355mm wide x 288mm deep x 485mm high

**3. Product****3.1 General**

- The gate controllers must be Centurion D10 or equivalent.
- The casing must be supplied with the theft-resistant cage and padlock.
- Power supply to the gate will be provided by Transnet.

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 Respondent's Signature

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 Date & Company Stamp

**PLEASE NOTE:**

1. All deliveries to be done inside the Port of Richards bay.
2. The Site Agent or Contract Manager must certify invoices for payment.

**"PREVIEW COPY ONLY"**

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Respondent's Signature

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Date & Company Stamp