Lloyds Auctioneers and Valuers Pty Ltd
ACN 109 191 095 ATF Lloyds Auctions Trust
ABN 46 809 877 862

TENDER DOCUMENT

December 2011

FOR THE PURCHASE
OF

KROHNE 1290mm Magnetic Flow Metres (qty 2)

TENDER CLOSES

Tuesday 31st January 2012 3pm (AESDST Queensland time)

- Corporation Park – Cnr Riverbend Ave
  & Nerang-Broadbeach Rd, Carrara Q 4218
- PO Box 6 Nobby Beach Q 4218
- Ph (07) 5559 1999
- Fax (07) 5559 1900
- www.lloydsauctions.com.au

INVITATION TO TENDER

1 INVITATION

Tenders are invited by Lloyds Auctioneers & Valuers (the Agent) for purchase by tender of the item attached being the property of the Vendor. All submissions are expressly required to be compliant with conditions set out in this Invitation

2 CLOSING

TENDERS Close: (QLD Time) on Tuesday 31st January 2012 at 3pm (AESDST)

Tenders may be received via email, facsimile or by hand at our premises.

Address - Cnr Riverbend & Nerang Broadbeach Rd, Carrara, QLD 4211.

Email - scott@lloydsauctions.com.au

Fax – 07 5559 1900 Tenders must be received by the stated closing time and date and must include a signed copy of the document.

No documents will be returned to the offerors and are assumed property of Lloyds Auctioneers & Valuers or signed via email.

3 DESCRIPTION

Krohne magnetic flow metres 1290mm (see annexure A)

4 LOCATION OF ASSETS INSPECTION ("the Items")

Assets are located at Chevallum on the Sunshine Coast Queensland inspection is by appointment only, please call 07 5559 1999 or Scott Webber on 0439 765 669 to arrange inspection.

5 REMOVAL

The asset must be removed from site 7 days from tender closure.

Terms & Conditions apply,

Removal must be made by and will be the responsibility of the successful tenderer only or his agent. The Vendor or its Agent (Lloyds) will not deal with any third party entity.

The purchaser will be responsible for the uplift of the assets from the worksite. The purchaser must bring in his own equipment for uplift, this equipment must be compliant with all operational conditions imposed by the Vendor.

As set out previously the Buyer must comply with nominated obligations. The assets will not be available for removal until full payment is made. Access to the yard will be given by arrangement with the vendor.

The successful Tenderer must comply with all site requirements of the Vendor regarding safe work practices; OH & S requirements both of the Vendor and state and federal statute and regulations. A safe work/risk assessment will be required.

6 GST STATUS

All prices submitted will include GST (GST exemption, if applicable proof of must be sited in accordance with state and federal laws).

7 LOCAL LAW COMPLIANCE (Queensland)

The contract or tender document will be governed by, construed and interpreted in accordance with the laws of Queensland, and in the event of any dispute arising the parties will submit to the courts of the State of Queensland.

8 APPLICATION FORMAT

The tender must be submitted in the format specified in Annexure "A" together with completed pricing on Annexure "A". Tenderers may submit one or more tenders in response to this Invitation.

9 CONDITION OF EQUIPMENT

The Items are available for inspection by the Tenderer(s). The Vendor and its agents make no warranty, representation or guarantee in relation to the Items whatsoever. Neither The Agent (Lloyds) nor the vendor give warranty as to the quality, compliance, suitability or safe condition of the goods. Because the goods are sold "as is and where is," the successful Tenderer shall have no claim in respect of the state or safety of the subject items whatsoever. The Tenderer accepts that the property is sold with all faults or defects (if any) whether apparent or not. Furthermore the Tenderer warrants that the Tenderer has satisfied itself by inspection and investigation, and accordingly has not relied on any statement, representation or warranty made by or on behalf of the Vendor either expressly or impliedly about the Items, the purpose for which the Items can be used, the value of the Items, the fitness of the Items for the purposes the Tenderer wants it, the feasibility or viability and economic return of the existing use or any proposed future use of the Items.

10 PRICES OFFERED

Prices tendered must be in Australian currency and exclusive of all charges. Buyers please note that quoted prices must include GST. The tenderer shall complete each line item in the Schedule of Prices against which a price is offered and lodge Annexure "A".

11 POST OFFER NEGOTIATIONS

Lloyds Auctioneers & Valuers as Agent for the Vendor reserves the right to have post offer negotiations with one or more tenderers.

12 METHOD OF ACCEPTANCE OF TENDER

The highest tender may not necessarily be accepted. No tender will be deemed to be accepted until advice in writing of acceptance has been given to the tenderer by Lloyds Auctioneers & Valuers with written consent from the Vendor to accept a Tender offer directed to Lloyds Auctioneers & Valuers. Notice of acceptance shall constitute a binding contract between the Vendor and the successful tenderer ("the Buyer"). In the event that no tender offer is accepted by the Vendor then the Vendor reserves the right to dispose of the items in any other way or process it sees fit.

13 PAYMENT

Upon written acceptance of the successful tender offer the successful tenderer (buyer) must make full payment 72 hours after tender acceptance to the below listed trust account. by Bank Cheque or EFT (see below). Full payment must be received by Lloyds prior to pickup.

METHOD OF PAYMENT

BANK CHEQUE OR DIRECT CLEARED FUNDS TRANSFER ONLY

Lloyds Auctioneers & Valuers Trust Account

Account Details for EFT: Commonwealth Bank

BSB 064-486
A/C 1011 5863
Reference: 12KR-SW

14 CONTRACTORS & SUB CONTRACTORS

The contractor must have prior approval from Lloyds before attending to uplift assets. Lloyds reserves the right to refuse entry to any removal contractor that the Vendor deems unsuitable for whatever reason or not appropriately qualified or insured.

15 INDEMNITY AND RELEASE

The Buyer shall indemnify the Agents & Vendor against any action, claim or demand brought as a consequence of damage to or loss of property, injury or death of any person, and costs incurred in defending such actions as a consequence of the successful tenderer removing or attempting to remove the goods.

The Buyer shall not be entitled to make any claim for compensation or damages or seek a reduction in the Purchase price, make any objection, or be discharged from the purchase or terminate the agreement to purchase because any error, misstatement or omission in the description of the Item.

16 BUYERS PREMIUM

A buyer's premium of 11% (GST inclusive) applies to this asset.

17 HAZARD REPORT

Hazard reports will be applicable to this item costs associated in generating this report will be the responsibility of the vendor. Successful purchasers will need to sight and sign a plant hazard report prior to uplift of the asset.

Lloyds AUCTIONEERS AND VALUERS

DominionGroup www.dominiongroup.net.au

Annexure "A"

Must be returned with a copy of the Tender Document

Acceptance of Terms & Conditions

I the undersigned hereby accept all of the terms and conditions set out in the attached document (Clauses 1 to 17). I have inspected the asset and am aware that the listed description may vary from the list supplied in this document. **I am aware that the asset may be incomplete with the description used as a guide only. I have inspected the item and completed my own inventory.**

Name (Print) _____

Signed _____

Offer

I the undersigned hereby offer for the asset as listed in annexure B as described in the attached schedule (Annexure "B") the assets have been inspected and inventory was completed by us as potential tenderers.

Offer **$**_____

Quantity _____

Sub Total **$**_____

GST (if applicable) **$**_____

Buyers Premium 11% **$**_____

Total Offer **$**_____

Name (Print) _____

Signed _____

Witness (Print) _____

Signed _____

Date _____

Lloyds
AUCTIONEERS AND VALUERS

DominionGroup
www.dominiongroup.net.au

Details of Tenderer

Name (Print) _____

Company _____

ABN _____

ACN _____

Position of Signatory _____

Address _____

City _____ Post Code _____

Phone _____ Email _____

Facsimile _____

Annexure "B"

Item Description:

Krohne magnetic flow metres Quantity 2

Overall approximate dimensions 1185mm long 1270mm (od) 965mm (id)

4 TECHNICAL SPECIFICATION

4.1 General Requirements

The instruments shall enable operation at maximum loadings at the specified temperature conditions.

The instruments shall be supplied in accordance with the requirements nominated on the data sheets and as stipulated in this specification.

Instruments shall be supplied in accordance with the Instrument List.

4.1.1 Fail Safe Setup

All field devices with switch outputs shall be configured and wired to be fail safe. For instance, a 'High Level' signal shall be de-energised state (Logic 0). Likewise, a 'Low Level' signal shall be a de-energised state (Logic 0).

4.1.2 Signals

All digital inputs and outputs shall be 24 VDC.

All analogue signals shall be 4-20 mA.

HART communications is the preferred option for configuration and calibration. The Instrument Data Sheets specify the preference for HART protocol.

All loop-powered instruments shall be powered from the 24 VDC supply in the PLC panel.

All separately powered instruments, whether 24 VDC or 240 VAC shall be powered from the PLC panel, and all instruments shall have isolated signal outputs.

Surge Protection shall be provided at the "field" end of all outdoor installed instruments. Preference shall be for integral type surge protection in each instrument element/transmitter. The contractor shall include the provision for the field surge protection.

4.1.3 Indicators/Displays

All transmitters shall have local indication. For switches, the digital status shall be indicated on the unit by way of LED. For analogue transmitters, the value shall be represented by Liquid Crystal Display (LCD) digital displays.

4.1.4 Calibration and Configuration Equipment

Two hand held HART Communicators shall be provided to configure and commission instrumentation that require hand-held configuration devices.

Calibration and Configuration software and licences shall be provided, together with modems and connection cables for each device and application.

4.1.5 Tag Numbers

All instruments shall be factory-tagged as per the Instrument Data Sheet. Each tag shall be stamped stainless steel, in letters 5 mm high with the Instrument Number and Description. Each tag shall be permanently fixed to the instrument body and located so that the tag number is easily visible.

Magnetic Flow meter tagging requirements are further specified in the Magnetic Flow meters section.

4.2 Performance

Supplied instruments shall meet the requirements of this Technical Specification and Schedule of Technical Requirements (Data sheets). Where differences occur between sources, the Data Sheets are deemed to be the "master" data.

4.3 Design Life

Supplied instruments shall be capable of achieving a minimum 10 year asset life under the operating conditions defined herein.

4.4 Design Pressures

Design pressure shall be as per the supplied Data Sheets.

4.5 Operating Conditions

Instruments will be operating in South East Queensland environment.

4.5.1 Ambient Temperature Range

Ambient temperature range between -10°C to +60°C.

4.5.2 Humidity

Average index of mean relative humidity may vary between 0% and 100%.

4.5.3 Atmosphere

Atmospheric conditions may vary. Instruments may be exposed to high degrees of airborne salt, sand, grit or fine dust. Consideration needs to be considered for the potential of flow meters to be buried in acid sulfate infected soil.

4.5.4 Power Supply

The Goods shall be suitable for continuous operation from an AC source of 240 volts ±10% at a frequency of 50Hz ±2.5%, or from a DC source of 21 to 28 Volts.

4.6 Instrumentation Construction

In addition to the details given in the Schedule, the following requirements also apply.

4.6.1 Magnetic Flow Meters

The magnetic flow meters required for the project are "revenue" meters for the purposes of billing. The meters require high accuracy and repeatability in specification, calibration and installation. High accuracy, testing certification and in-situ calibration are essential features to satisfy the project requirements.

Flow meters shall meet the following requirements:

Measuring Principle	Electromagnetic sensing.
Measuring Range	Refer to Instrument Data Sheet.
Power Supply	24 VDC 240 VAC
Instantaneous Flow Rate Output	The flow converter shall derive, from the field intensity and flow generated signals, a value of the instantaneous flow rate. This signal shall be scaled to a range of 4 to 20 mA, powered by the converter and capable of driving a DC load of up to 600 Ω with unimpaired performance. The flow rate signal shall function independently of flow direction and it shall be possible to adjust the span to any value in the range 0.5 to 10 m/s.
Analog Output	2 x Isolated 4–20 mA (Forward and Reverse Flow)
Communication interface	The flow meters shall be provided with a Profibus interface for delivery of all flow and controller data.
Flow Direction	For flow converters that do not have separate outputs for forward and reverse flow, a voltage free contact or transistor switch, rated at 24 VDC, shall operate to indicate reverse flow.
Pulse Output	Totalised Flow. The flow converter shall also derive, from the field intensity and flow generated signals, an indication of total water flow. This indication shall consist of a pulse train capable of driving both electronic and electromechanical external counters. The requirements of the electromechanical counter are 24 VDC pulses, not less than 20 ms long and of not less than 150 mA. An external DC power supply will be provided to energise this function.
Field-Coil Energisation	The flow meter head field coils shall be energised by a bi-polar pulsed direct current with a repetition frequency not greater than 10 Hz. For a converter running on 240 VAC, 50 Hz the repetition frequency shall be a sub-multiple of 50 Hz in order to eliminate mains supply interference.
Interchange between Flow Meter Heads	The flow converter shall be freely interchangeable between all sizes of flow meter head as listed in the Schedule of Prices. The matching of a specific flow meter head to a flow converter shall be by means of

- Instantaneous flow transmission signal upper and lower range values in instrument loop units (usually 4 to 20 mA)
- Total water flow per output pulse
- System time constant
- Low flow cut-off value

Calibration requirements	In-situ calibration verification.
Calibration certificates	Supplied with 10 sample points over instrument span. Comparison of actual versus measured accuracy.
Configuration	Integrated.
Other Requirements	Grounding rings/ reference electrode measuring. Reference and Empty pipe detection
Markings	Each flow meter component shall be fitted with a stainless steel identification plate that shall have the following information engraved on it:

Flow Meter Element:

- Manufacturer's name and full model number
- Serial number
- Type and serial number of associated flow converter and the EPROM identifier
- Total weight
- Internal diameter
- Liner material
- Maximum operating pressure (in kPa)
- AS 4087 flange table
- Operating temperature range
- Ingress Protection rating

Flow Meter Transmitter

- Manufacturer's name and full model number
- Serial number
- Type and serial number of associated flowmeter head and the EPROM identifier
- Operating temperature range
- Ingress Protection rating

For each flow meter system ordered the Contractor shall provide an insertion kit, isolation flanges earthing rings.

For each flow meter system ordered the Contractor shall also supply a Test Certificate, no later th the actual delivery date. The test certificate shall include the following:

a. All the identification information as detailed in "Markings" above

b. Details of testing procedure, and statement of conformity with Section 5 of ANSI/ISA "Process Instrumentation Terminology"

c. Results table and accuracy figures derived, all in conformity with ANSI/ISA S51.1

d. Traceability to national primary standards of test equipment used in the tests

e. Names and qualifications of persons conducting the tests

f. Date and place of tests