NEW HADEN PUMPS
PUMPING SOLUTIONS

To: C2C Consulting Engineers Ltd

Lincolnshire, LN11 0LS

Attn: Steven Jeffreys

Quote P-172020 A0

Date:	14 March 2023
Page(s):	
Your Ref:	
Contact:	Gary Warman
Direct Tel:	
Direct Fax:	
E-mail:	

Steven,

Vulcan Refractories, Cheadle, ST10 1PN - Surface Water Packaged Pump Station

Reference your recent enquiry for the packaged pumping station required on the above development.

I now have pleasure in offering a quotation for the pump packages and other equipment listed below:

Our offer includes for the following:

- GRP chamber with stub pipes to suit the incoming drainage pipes, vent and cable duct, in positions and depths to suit the site conditions.
  55m3 total storage – 2 no. 2500dia x 6000mm long horizontal GRP chambers.
- Duplex heavy duty wastewater pumps with 3 phase motors
- Duckfoot bends with quick release self locating couplings with guiderail to top of the chamber.
- 65mm galvanised steel pipework with non return valves and a single gate valve in the horizontal.
- Float level controls and 10 metres of cable. IP54 sheet steel auto-changeover control panel with volt free contacts for remote alarms or BMS connectivity.
- **Delivery to site of all the above, with installation and commissioning in a single visit after the chamber has been installed/formed by others.**

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Optional Extras

- Remote monitoring via the Alertpac dial out telemetry system. Note that this is for monitoring only, call outs will be charged extra.
  Price £495 + VAT per 12months

- Pre-planned preventative maintenance contract with NHP, we would recommend 6monthly visits.
  Price £495 + VAT per visit

- Kiosk – Single Weatherproof floor standing enclosure to house control panels if externally mounted. Complete with internal heater and externally mounted warning beacon.
  Single door - Price £880.00 + VAT Each

Full details are attached but please contact me if you require anything further.

Regards

Gary Warman
New Haden Pumps Ltd.
Sales Director

INSTALLATION TEAM:
Our installation team consists of two operatives, having CSCS accreditation and confined space training (City and Guilds) along with all necessary skill training for the task. If there is a requirement to enter a confined space the operative will have an escape set and will be harnessed to the man riding winch. The top man will not be harnessed. If there is a site requirement for additional man power or for the top man to be harnessed there will be an additional charge.

CLIENTS RESPONSIBILITY:
Unloading at site.
Movement of all equipment to the work area
Cable containment between pump chamber and control panel.
Provision of mains power to the panel.

Despatch:	To be confirmed at time of order. Chamber is dependent on the completion of manufacturing data sheet with full and final details of pipe inverts and chamber depth.
Validity:	Prices to be confirmed at the time of order.
Carriage:	Paid to site.
Terms:	Strictly net cash 30 days, subject to normal credit procedure as appropriate.
VAT:	Will be added at the appropriate rate at the time of invoicing.
Misc:	The offer is based on New Haden Pumps Ltd. Standard Terms and Conditions of Sale (available on request). Prices are strictly nett, no discounts or retentions included. If MCD are to be applied to this order then they should be added to the order value.

TENDER FOR COMPAC 'GRP' PACKAGED PUMP STATION
MOUNTING: Wet well / Guiderail

Vulcan Refractories, Cheadle, ST10 1PN - Surface Water Packaged Pump Station

Reference	:	COMPAC-R 2500/ATP
No. of Pumps	:	2
Pump Type	:	ATP30M13/2D
Capacity per Pump	:	5.0 l/s
Head Generated	:	6.0 metres
Max. Solids Capacity	:	30mm
Impeller Design	:	Channel
Motor Rating kW	:	0.9
Motor Speed rpm	:	2900
Supply Voltage	:	**3-50-410 – 3 Phase**
Full Load Current	:	2.1 amps
Method of Starting	:	DOL
Level Controls	:	Floats
Control Sequence	:	Duty/Standby
Length of Cable	:	**10 metres**. Other lengths available. Please advise
Length of Chamber	:	6000mm long
Pump Outlet Branch	:	50mm
Pipes and Valves	:	65mm NB
Final Discharge	:	65mm NB
Pipe Materials	:	Galvanised Steel
GRP Chamber	:	2500mm dia
Installation of pumps	:	Included
Commissioning	:	Included at time of installation. Return visit extra
Access Cover & Frame	:	600 x 1000mm clear opening required

Horizontal GRP chamber with duckfoot bends, guiderail, valves and pipes fitted out. Access opening of 600 x 1000mm required. Incoming stub pipes, vent, cable duct in positions to suit and discharge pipe fixed as shown.
2 No. 2500dia x 6000mm long connecting with balancing pipes

Duplex submersible wastewater pumps, lifting chain, level floats, 10 metres of cable and an IP54 sheet steel auto-changeover control panel designed for wall mounting indoors.

All delivered to site with pumps and controls installed by our engineers.

BUDGET PRICE: £32,410.00 + VAT

CLIENTS RESPONSIBILITY: Unloading at site. Cable containment between pump chamber and control panel. Provision of mains power to the panel. All connecting pipework.

SPECIFICATION FOR PUMP PACKAGE
FITTED WITH SUBMERSIBLE SEWAGE / DRAINAGE PUMPS

CHAMBER: Vertical/Horizontal, cylindrical, GRP, watertight pump chamber with sewer inlet and discharge connections as required in accordance with data sheet attached; the unit is complete with cable and chain suspension hooks. Access cover with frame – by others. The chamber is fabricated from GRP laminations, reinforced in all critical areas. The nominal wall thickness is 4 mm throughout with reinforcing ribs as necessary giving adequate hoop strength and stability. Steel reinforcements are bonded into the base to accept the pump and duckfoot bend where applicable and on units over 3 metres depth reinforcing ribs are bonded into the angled sides.

PUMP: Single stage fully submersible sewage pump with cast iron casing and impeller. SW – channel

SEAL CHAMBER: Disposed between pump and motor and filled with oil retained by opposed seals. The primary seal has double tungsten carbide faces.

MOTOR: Squirrel cage motor contained in a watertight cast iron housing. The rotor shaft rotates in deep groove ball bearings.

CABLE: Suitable length(s) of multi-core flexible cable connected to motor windings through a watertight sealed gland.

GUIDE RAIL SYSTEM: Low-level self-locating quick release coupling combined with 90^{o} duckfoot bend having guide rail location socket.

GUIDE RAILS: Galvanised guide rail(s) from head of sump to base bend, complete with upper location bracket.

CHAIN: Suitable capacity galvanised lifting chain complete with shackles.

VALVES: Single gate valve in horizontal pipe and non-return valves in each discharge leg.

PIPES: Vertical riser and horizontal section in materials as data section. Multi-pump systems include a manifold giving a single final connection to suit the rising main.

PANEL: IP54 Single section multi-motor control panel of sheet steel dust and damp protecting RAL7035 light grey polyester powder coat finished enclosure for indoor wall or backboard mounting, with front access, necessary labels, numbered terminals and incorporating

1 - Door interlocked isolator
2 - Sets of motor fuses with HRC fuse links
1 - Set control fuses and links
1 - 230V/24V control transformer
2 - DOL Motor starters incorporating thermal overload relay
2 - Hand-off-Auto selector switches
2 - Pump running indicator lamps
2 - Pump tripped indicator lamps
1 - High level indicator lamp
1 - Power available lamp
1 - High level buzzer and mute button
1 - Set of volt free contacts (high level, pump No1 and No2 overload tripped)
1 - Stepping relay for duty pump rotation
1 - Low voltage float control

LEVEL CONTROLS: Level floats controls as detailed



New Haden Pumps
Service Division

Always at your service

New Haden Pumps Limited offers a range of services from emergency breakdown, regular maintenance contracts, repairs and spares as well as individually tailored packages.

Our emergency service aims to repair any faults on site wherever we can with the minimum disruption to you and your business. If we are unable to carry out running repairs our engineers and Service Division will use their expertise to find the best solution to the problem.

In addition to our workshop repair facility we are pleased to offer a comprehensive range of spare parts from our portfolio of products.

To keep your pumps and related pumping equipment working at optimum performance, we would recommend regular servicing. A service agreement can be taken out for either newly installed equipment or for items out of their warranty period.

- **Breakdown**
- **Servicing**
- **Maintenance**
- **Repairs**
- **Spares**
- **Tailormade Packages**

For further information on our all of our services, please give us a call on:

01538 757900

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