



RPS Planning & Development
20 Western Avenue
Milton Park
Abingdon
Oxfordshire
OX14 4SH

Attention:- Holly Spence

Your Ref : JNY8140
Our Ref : QC8365
Date : 04.08.2015

Tel : 01235 432 190

Mob :

Email : holly.spence@rpsgroup.com

Dear Sirs,

Re: Green Lane, Chesterton (45 Properties)

We thank you for your valued enquiry, and we have pleasure in submitting our **BUDGET** quotation for the supply, delivery, installation and commissioning of pumping equipment, generally in accordance with the Water Authorities Association Specification "Sewers for Adoption" 7th Edition, and Thames Water addendum (first issue – November 2012).

From the details supplied, we calculate that the pumps included in our offer will perform the duties set out in our specification schedule.

We trust that our quotation meets with your approval and we assure you that your future instructions will receive our utmost attention.

As we are an approved supplier to all Water Authorities, there will be no problems caused with the adoption process by using T-T Pumps. It is our aim to offer you a complete service from concept to adoption, liaising with all the parties involved.

Notes

- The developer is responsible for obtaining the Functional Location Code (Floc Code) from Thames Water.
- Budget quotation produced against preliminary information available.

Should you require any further assistance, please do not hesitate to contact us.

Yours faithfully,
T-T PUMPS LIMITED

Nick Morgan
Tendering Engineer



T-T PUMPS Ltd., Onneley Works, Newcastle Road, Woore, Cheshire CW3 9RU

Tel: **01630 647200** Fax: **01630 642100** www.ttpumps.com e-mail: response@ttpumps.com



Please Note:-

1. The 'excluded' items listed at the end of our quotation.
2. Our offer is based upon a 3m internal dia. x 4.050m deep concrete pump chamber with separate adjacent valve chamber, all constructed by others. Assumed levels are as follows; Cover level = 2.017m, inlet pipe invert = 0.000m, pump chamber base = -2.033m, rising main invert @ final discharge = 4.680m.
3. We will provide a fully detailed drawing of the proposed arrangement following receipt of an order.
4. We have calculated an emergency storage requirement of 7.20 cubic meters is required for the 45 properties, with 7.30 cubic meters available within the chamber listed above between HLA -1.033 and an upper limit level of 0.000
5. Our quotation is based upon the pumps and level controls having 20 metres of cable. We assume this is a sufficient length for the positioning of the electrical control equipment in relation to the pump chamber. Should extra cabling be required, then additional costs will be levied accordingly.
6. It is essential that the pumping station is serviced on a regular basis to prevent unnecessary breakdowns. As part of our after sales service we can offer the following:-
Six monthly site visit
 - a) Inspection of pumps and associated equipment.
 - b) Complete system checks.
 - c) Supply service reports.
 - d) Site maintenance.**Price = £295.00 per visit**

Tankering to be carried out as and when requested by T-T Pumps, all tankering costs to be invoiced direct to Customer. Any items replaced not covered by or outside of the warranty period are charged at the quoted prices. If you have any queries about our after sales service, please contact us on 0845 8450130 & we will be pleased to help.
7. Temporary Telemetry Alarm Unit (for use prior to adoption); We can offer you the following telemetry alarm units (as described in the enclosed leaflets) which in the event of a failure, will automatically call a pre-programmed number to warn that the pumping station has failed. The units can be provided at the following costs (installation can be done at the time of our initial site visit at no extra charge); Alarm-Tel unit (requires a landline) = **£510.00 Nett**; Text-Tel 'Junior' unit (mobile phone technology) = **£699.00 Nett**
8. CALL OUT RATES – Call out charges for Engineers to attend site in the case of breakdown (May be subject to alteration). Hourly rate is for a team of two Engineers, including travelling and working on site. On weekends and out of hours there will be an initial call out charge of **£125-00**, and on Bank Holidays **£180-00**, plus the hourly call out charges; Normal Hours **£90-00**, Saturdays **£105-00**, Overtime/Sundays **£125-00**, Bank Holidays **£180-00** (all rates per hour). In the event of a breakdown, please call 01630-647200 which is accessible 24 hours a day and will connect you to the appropriate person in an emergency. Please note that we do not provide a 24 hour call out facility but we do our utmost to respond to a call within 24 hours.
9. All control panels are designed, manufactured and tested in compliance with Quality Standard BS EN ISO 9001:2008, Low Voltage Directive 2006/95/EC and Electromagnetic Compatibility EMC Directive 2004/108/EC, based on Technical Construction File E.10690, which is endorsed by independent assessment to EN50121-4 EMC Standards. (EMC Test Report document number 10260/TR/2, and project number 11035 refer).
10. Should a pre-contract meeting be required, an additional charge of **£250.00** would apply.



TENDER FOR CENTRIFUGAL PUMP

DUTY

1.	DUTY	Duty/Standby
2.	LIQUID	Foul
3.	CAPACITY	6.15 l/s
4.	STATIC HEAD	6.21m
5.	FRICTION LOSSES	3.89m
6.	TOTAL HEAD	10.10m
7.	K.S. VALUE	0.3mm
8.	RISING MAIN LENGTH	430m
9.	RISING MAIN SPECIFICATION	125mm HPPE SDR 11

DESIGN

10.	PUMP TYPE	DGN 300/4/80 A1FT/50 Ex
11.	ARRANGEMENT	Guide Rail / Submersible
12.	DELIVERY	80mm
13.	SUCTION BRANCH	Not Applicable
14.	IMPELLER PASSAGE	80mm
15.	SPEED (r/min)	1450
16.	EFFICIENCY	T.B.A.
17.	IMPELLER TYPE	Vortex
18.	SHAFT SEAL	Twin Mechanical
19.	CABLE	20m
20.	LIFTING CHAIN	5m
21.	GUIDE RAIL	4m

MOTOR

22.	MOTOR TYPE	Squirrel Cage
23.	STARTING METHOD	DOL
24.	POWER ABSORBED	T.B.A.
25.	KW RATING OF MOTOR	2.2
26.	RATED CURRENT (Amps)	5.8
27.	SPEED (r/min)	1450
28.	ELECTRICAL SUPPLY	400V-3Ph-50Hz

MATERIAL/CONSTRUCTION

29.	CASING	Cast Iron
30.	IMPELLER	Cast Iron
31.	SHAFT	Stainless Steel
32.	SHAFT SEAL	Silicon Carbide



PUMPS:-

2 No. Fully submersible single stage pumps,

Cast iron impeller, dynamically balanced to suit the pump characteristic.

Pump shaft of stainless steel.

Oil filled chamber utilising double mechanical shaft seal, which seals the pumped liquid from the motor.

Squirrel cage induction motor, wired for a supply of 400 volts, 3 phase, 50 cycles, for DOL starting, and suitable for submerged conditions and incorporating thermostats in the windings.

20 metres of power cable.

Junction boxes for pump cables, housed in a small weatherproof GRP kiosk.

Mounting fittings include:-

4 metres of twin round stainless steel guide-rail with fixing brackets.

Stainless steel intermediate guide-rail brackets.

Cast iron duckfoot bend with quick release coupling, discharge size 80mm.

Blue rope lifting system. 5 metres of 500 kg S.W.L. galvanised steel lifting chain with 50mm rings between the chain links at 1000mm centres to be utilised prior to adoption.

Fixing bolts for the duckfoot bends and upper guide rail holders.

LEVEL SENSING EQUIPMENT:-

1 No. Ultrasonic level detection system with transducer suitable for 10 metre depth, and fitted with 20 metres of co-axial cabling. *Transducer mounted on a stainless steel hinged bracket.*

1 No. Back up float switch, type 'FLO-1' complete with 20m of cabling and suspension system.

1 No. High level alarm float switch, coloured red, with 20m of cabling and suspension system.

SWITCHGEAR AND CONTROL EQUIPMENT:-

1 No. Dual wall mounted, indoor pump control panel, suitable for DOL starting, to the S.F.A. 7th Edition specification.

4 No. 2-metre lengths of meter tails.

Space and signals for future telemetry (see 'optional extras').

All the control equipment will be housed in a "Road Side" weatherproof control kiosk, floor mounted, manufactured from GRP, size 2500 W x 1750 H x 750mm D, having three access doors, separate 'meters' compartment, cat flap for generator appliance inlet, heating and lighting.



PIPEWORK:-

1 No. Set of ductile iron pipework, 100mm nominal bore, flanged to NP16, Sewers for Adoption layout, terminating with a NP16 flange immediately outside the valve chamber.

VALVES:-

3 No. Ductile Iron Sluice Valves with extended spindles, 100mm nominal bore, to BS5163:1986, flanged to NP16.

2 No. Ductile Iron Reflux Valves with levers, weights and guards, 100mm nominal bore, to BS EN 12334:2001, flanged to NP16.

ANCILLARY EQUIPMENT:-

1 No. "Technocover" access cover, 1500x900mm opening size, for the wet-well.

1 No. "Technocover" access cover, 2400x1800mm opening size, for the valve chamber.

1 No. Flush-mounted davit socket, SWL 500kg [supply only].

1 No. Flush invert penstock c/w extension spindle for valve chamber drain pipe.

1 No. Stainless steel penstock over inlet with extension spindle, surface box and tee key.

1 No. Set of anchorage brackets, for tie-off of ladders or safety harnesses.

2 No. 1" Pressure gauge tappings and plugs.

1 No. Set of "RISE" cable ducts seals.



SERVICES:-

Twelve months warranty period from commissioning date applies.

Installation Drawing, & Maintenance and Instruction Manuals; 3 copies.

Delivery and installation of the equipment during same visit to site, including P.M.E. bonding.

Separate commissioning visit.

Insurance Cover; £5 Million limit for both product and public liabilities. Employer's liability = £10 million limit. Professional indemnity = £2 million limit.

TOTAL PRICE £35,170.00 NETT

Exclusions:-

Civilwork / Ductwork / Overpumping / Odour Control / Chemical Dosing Equipment / Surge Investigations / Inlet Pipe / Overflow pipe / Drain pipe / Rising Main / Step Irons / Ladders / Ventilator / Wanderlamp / Telemetry / In-line cable connectors / Cable transits / Wash Down Set / Spares / Inlet baffle plate / Rising Main Flange Adaptor / Making connection to Rising Main / Davit socket testing / Flow-meter / DSEAR Assessment / Scaffolding / Floodlight / Vented kiosk plinth / Lifting davit or gantry / Flushing valve /

Optional Extras:-

1 No. On-site testing of the davit socket = £470.00 Nett.

1 No. Supply, installation and commission of MultiSmart PSTN RTU including configuration to Thames Water's current requirements. = £5,795.00 Nett.

1 No. TT Pumps preformed concrete benching unit, including delivery = £840.00 Nett



CONDITIONS OF CONTRACT

Programme Of Works:-

Delivery and installation 8 working weeks to be mutually agreed in line with overall site programme.

Note: The despatch/installation time is subject to prompt approval of our Drawings, and delay in approval could extend the despatch/installation time.

Our offer is based on the following conditions, where applicable.

That the client provides free of charge:-

Cable ducts, fixing of access frames and covers, fixing of davit socket.

That the Client ensures that the sump is dry and free from debris, allowing us to proceed uninterrupted with the installation work.

That any standing time outside our control may incur extra costs.

That the Client provides a suitable electricity supply to our control panel, makes the connection from our pipework to the rising main, makes good generally and provides hard access to the site.

That the pump chamber will be constructed dimensionally in accordance with our Drawings, which will be submitted within 30 days from receipt of order.

That a minimum of 21 days prior notice will be given that installation is required.

That normal earthing will suffice, i.e. no earth leakage trips required.

Commissioning:-

On same visit after completion. It is the client's responsibility to ensure that the electricity supply Authority has made the connection to our control panel and that an adequate clean water supply to the sump is available. A Completion Notice for the electricity supply Authority can be supplied on request.

Carriage:-

For single drop deliveries, carriage is included. Should any item of equipment be required before the main delivery then carriage will be charged extra for these items.

Validity:-

Our offer is open for acceptance for a period of 60 days from the date of quotation and will be on a fixed price basis on condition that the contract is completed within 10 weeks from the date of acceptance of our quotation.



TERMS & CONDITIONS:-

See attached T-T Pumps Terms & Conditions of Sale PDF.

DELAYS:-

The Company reserve the right to charge storage for equipment/materials allocated to the Contract at the rate of 0.25% of the price of the material content of the Contract per week, or part thereof, if the programme delivery and/or installation period is extended for reasons beyond the control of T-T Pumps Limited.

FORCE MAJEURE:-

Whilst T-T Pumps Limited will take all reasonable steps to deliver the goods within the delivery period, T-T Pumps Limited accepts no responsibility for any failure to do so.

VALUE ADDED TAX - (Where Applicable)

The price stated does not include V.A.T. The amount of V.A.T. for which the Company will be accountable to H.M. Customs & Excise will be paid by you to us on submission of a Tax Invoice, and in accordance with the Terms of Payment.

1. Payment terms irrespective of Conditions of Contract (Subject to credit approval):-
15% on submission of drawings to enable civil work to commence.

90% for materials delivered/installed on site. Should the site be delayed for any reason beyond our control the claim will be submitted for payment and storage charges will be incurred.

100% on commissioning less retention if agreed (should a retention be required an additional cost would be incurred - i.e retention % plus 2.5%).
2. Terms of credit are strictly 30 days from invoice date.
3. In the event of specified equipment not being available at the time of order, we reserve the right to supply alternative equal equipment.
4. No consequential/contra charges are accepted for any reason. Liquidated damages are not accepted except be specific agreement.
5. Structural calculations and designs will be required for the wet-well cover slab and base slab, to be undertaken by a structural engineer. This is excluded from the contract price.