



**Pumps / Water Treatment/ Sewage/Effluent Treatment**

**Est. 1984**

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*Welsh Speaking*



23 June, 2006

Mr Huw Jones  
Dansco Dairy Products Ltd  
Newcastle Emlyn  
Carmarthenshire  
SA38 9DQ

Dear Huw:

**Ref: Estimated costs to supply & install 3 off bore hole pumps, tanks and duplex transfer pumps to existing system.**

Scope of estimate to include

- a) 3 off bore hole pumps – to deliver up to 5 metres cubed per hour (18 gpm) @ 3 bar to allow for pipe friction losses. We would propose installing a higher head pump and 32mm pipe so as to improve the health & safety implications for pump removal for service/cleaning. **Note – the sizing of these pumps is dependent on the volume of water available from the bore holes.**
- b) Well head and pipework from well heads in 50mm/63mm MDPE to tanks – control of pumps / tank level control by others.
- c) 3 off 10,000 litres Paxton Potable water tanks and 63mm pipework in PVC to connect tanks
- d) 4 off end suction pumps to deliver 175 lpm @ 1.5 bar to transfer water from tanks to filter units.
- e) All excavation work to be carried out by others unless other wise agreed.

To be supplied:

3 off Bore hole pumps – S4C9T @ £ 351.00 each less 10%	£ 947.00
4 off Dab K14/400T pumps to deliver 200 lpm @:1.5 bar @ £261 less 10%	£ 940.00
3 off 10,000 litre Paxton potable water tanks @ £1200 each less disc	£ 3225.00
100m of 4 core HO7 cable – 4mm @ £2.00/m	£ 200.00
Cable connectors for each hole	£ 85.00
3 off manholes constructed for each hole including labour	£ 480.00
100m of 32mm MDPE pipe	£ 50.00
Say 300m of SWA 4mm 4 core cable @ £2.00/m	£ 600.00
Say 150m of 63mm MDPE pipe @ £1.750	£ 263.00
MDPE – Plasson fittings – 63mm & 32mm – say	£ 500.00

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PVC – fittings –75mm & 63mm suction/delivery manifolds from tanks : say £ 500.00

Electrics for bore hole pumps:

3 off control panels to control bore hole pump (includes dry run facility) £ 1215.00

3 off high level float operated control switches for tanks £ 100.00

Electric probe cable – 100m @ £1/m £ 100.00

3 off low level probes £ 12.00

Armoured cable for probes from well head to tanks : say £ 125.00

Electrical sundries : clips,ties etc £ 50.00

Electrics for transfer pumps to be carried out by Dansco electrician – (we can supply & fit low level protection floats if so required @ £30 per application)

Labour – estimate – say 125 hours £ 2500.00

Excavation work – hire of Allpump mini digger- 5 days : say £ 300.00

Travelling charges – say £ 150.00

**Total estimated cost** £12342.00

**Plus Vat @ 17.5%**

*+ 5%*  
*2617.10*  
*£12,959.10*

Excluded from above:

- a) Electrical control switch gear for the transfer pumps i.e starters ,isolators etc. (bore hole included)
- b) Housing for transfer pumps and hard standings for tanks
- c) Connections across river and beyond if necessary.