

INVITATION TO TENDER "ITT" NO. PS10134
KITSILANO PUMP STATION UPGRADE CONSTRUCTION

QUESTIONS AND ANSWERS No. 1

ISSUED ON THURSDAY SEPTEMBER 9, 2010

Q1	Section 01400.1.3 Code Compliance Testing - Can you please indicate in more detail any items that you want covered under this section so we can accurately obtain a quote to provide it?
A1	Pipe welding will require welding procedures and NDT in accordance with ASME B31.3. Welder certification also required.
Q2	Drawing 1972-400 shows 4 90deg bends in the secondary conduit runs. Do we have special permission from BC Hydro to do this because it is a difficult location or do we need to add a pull box at one location?
A2	A pull box is not required. BC Hydro has completed cable pulling calculations for the secondary ducts and has allowed the installation with 4 x 90° bends.
Q3	What are the expected delivery dates of the new pumps?
A3	Pump deliveries are expected by the end of September 2010. City will attempt to co-ordinate the delivery with contract award.
Q4	Are the manuals / technical information available for the pumps, plug valves and check valves? Including weights.
A4	Manuals and technical information for the pumps, valves and motors will be provided upon award. Pump and motor data can be downloaded at: http://vancouver.ca/fs/bid/bidopp/openbid.htm
Q5	We are to provide a fire alarm panel, smoke detector and door limit switch. Will you be providing any specifications for these items?
A5	Fire alarm panel shall be Mircom FA-101T or approved equivalent. The smoke detector shall be Mircom C2WTA-BA or approved equivalent. All fire detection equipment must meet the requirements of the Fire Code. The limit switch shall be CSA approved and a minimum NEMA 3R rating. Limit switches installed in the wet well room must be suitable for Class I, Zone 1 installations. The wet well area (including the room above) is considered to be Class I, Zone 1 (flammable gases may exist during normal operation) as per the Canadian Electrical Code and NFPA. It has been noted on drawings (1972-401 & 1972-410) that all equipment installed in the wet well or wet well room must meet Class I, Zone 1 requirements.
Q6	Where is the fire alarm panel located?

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A6	Fire alarm panel shall be installed in the MCC room on the dividing wall, beside the ultrasonic level transducer controller
Q7	How much extra cable do you want coiled up for the new genset cable/plug assembly?
A7	Contractor shall provide an additional 10m of cable, coiled as shown on the drawings 1972-410 & 1972-411.
Q8	Can we use heat shrink wire markers instead of the grafoplast?
A8	Yes.
Q9	Is it expected to have a representative for the pumps on site when installing parts?
A9	The purchase order ("PO") for the pumps includes one trip for the Smart-Turner representatives. That should cover commissioning of the two new pumps. If there is additional time required, they will simply charge out at their quoted rates for time, flight and accommodations. Their presence may not be required for the commissioning of the two rebuilt pumps, but that won't be determined until the first two pumps have been installed. For the purpose of the Tender, Bidders can assume that they will not be covering the costs of the Smart-Turner representatives, as that will be part of the original pump PO between the City and Smart-Turner. All other costs for equipment representatives will be the responsibility of the site contractor, unless noted otherwise in the Contract Documents.
Q10	What is the weight of the unit sub station?
A10	The following weights are estimates: <ul style="list-style-type: none"> - Transformer: 4000 lbs - Load Break: 1000 lbs - Wireway: 1000 lbs
Q11	What is the weight of the pumps?
A11	The estimated weight of the pumps is 2275 lbs.
Q12	A source has not been found for a composite SOW cable from our wire suppliers. Can you either pass along the supply information or indicate if you would like separate SOW cables or teck cable instead?
A12	Separate SOW cables will be acceptable.
Q13	Can you confirm that you really want a second generator on site the entire time for the hot standby? Or do you just want it readily available in case of emergency?
A13	The second generator should be available in case of emergency and does not need to be on site. If the primary generator fails, the Contractor is responsible for the station and will either have to provide the second generator or bypass pumping to keep the

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	station in operation
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PLEASE FIND BELOW, THE ATTENDANCE LIST FROM SITE VISIT # 1 HELD ON WEDNESDAY AUGUST 25, 2010 AND SITE VISIT # 2 HELD ON WEDNESDAY SEPTEMBER 8, 2010:

1. ROSS MORRISON ELECTRICAL LTD.
2. MOTT ELECTRIC GP
3. TRITECH GROUP LTD.
4. ALPINE WEST SYSTEMS ELECTRICAL
5. MERLETTI CONSTRUCTION LTD.
6. BRYMARK INSTALLATIONS
7. WESTPORT CONSTRUCTION
8. CORETECH INDUSTRIES
9. PROCON SYSTEMS
10. KINGSTON