

EXHIBITION PLACE

10/15/99

To: The Board of Governors of Exhibition Place

From: Danny Chui, P. Eng.
Manager, Capital Works

Subject: **Tender for EQUIPMENT – Extension of Plant Management System (PMS)
Connect all Peak Power Monitoring and Power Demand Control Equipment
Contract No. 99-5003-90303**

Recommendation:

It is recommended that the Board award Contract No. 99-5003-90303 to ABB T&D Services of Milton, Ontario, in the amount of \$399,969.00, this being the lowest acceptable tender received (excluding GST).

Background:

The Board approved a budget of \$55,000 as part of the 1999 Capital Works Program to install Peak Power Monitoring and Power Demand Control Equipment to our PMS. The primary objective of the project is to retrieve electrical data in order to reduce electrical costs through power conservation, system protection and power monitoring and demand control. The project includes the installation, configuration and programming of new power meters that will be installed in various buildings within Exhibition Place. The power monitoring system will enable the operation of the devices in semi-automatic (with operator input) as well as automatic modes so as to optimise the Power Consumption.

The scope of work is as follows:

- 1) Install a Power Monitoring System to monitor power consumption and to use computerised control tools to reduce utility billing costs;
- 2) Install Digital Metering Devices in multiple substations to monitor power and demand; and
- 3) Connect Digital Metering Devices to the central computers for control of loads (via existing PLC) to provide load shedding, peak shaving, and also historical trending.

Discussion:

Bob Hicks, Finance Director supervised the tender opening of this Capital Project on October 6, 1999. Three (3) pre-qualified contractors came to the mandatory site tour on September 22, 1999 and three (3) tenders were received. Bid values that submitted on individual tender documents are as follows:

<u>TENDERER</u>	<u>SUBMITTED TENDER PRICE</u>	<u>DELETED ITEM & REDUCED CONTINGENCY</u>	<u>RECOMMENDED CONTRACT AMT.</u>
ABB T & D Services	\$525,712.00	\$125,743.00	\$399,969.00
Simians Westinghouse	\$546,151.00	\$ 50,765.00	\$495,301.00
Locus-Electrical Contractors Ltd.	\$712,250.00	N/A	Informal – Not Submitted

The submitted tender price includes the work of upgrading the existing PLC system to Ethernet for anticipate future change of technology. It would increase the efficiency of the system in speed and flexibility; however, deleting it will not affect or compromise the functionality of the existing system. This work was listed in Appendix III for possible deletion in case of over budget. Therefore, in light of the submitted prices, this item is recommended to be deleted together with a reduction of \$20,000 in contingency to allow the project to stay within budget.

The budget for this work (construction costs, engineering fees, disbursements and administration costs) is \$455,000 under the Capital Works Account No. 5003. Contained within this figure is \$405,000 for this replacement. The low tender at \$399,969.00 with the reduced scope, which includes \$10,000 for contingency is therefore acceptable and within budget.

It is the recommendation of our Consultant, Acres & Associated Limited and the Manager of Capital Works that this contract be awarded to ABB T & D Services in the said amount; this being the lowest acceptable tender received.

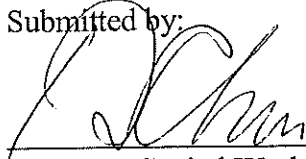
This recommendation is contingent upon approval of the Toronto Commissioner of Finance and Treasurer for the Surety Company who will supply the bonding requirements and the Fair Wage Office to confirm that the recommended contractor and his sub-contractors maintain wage rates and working conditions in accordance with Toronto Workers' Rights requirements.

The Treasurer has previously certified, at the time of project approval, that financing can be provided under the updated Debt and Financial Obligation Limit and that it falls within corporate debt guidelines.

Conclusion:

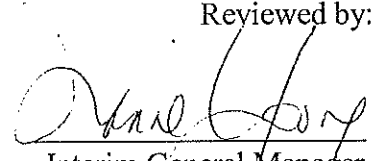
This report recommends the Board award Contract No. 99-5003-90303 to ABB T & D Services in the amount of \$399,969.00 with the reduced scope of work.

Submitted by:



Manager, Capital Works
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Reviewed by:



Interim General Manager

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The foregoing report was reviewed by the Executive Committee at its meeting held on October 22, 1999 and is recommended to the Board of Governors for APPROVAL.

