



**BROCKVILLE**  
CITY OF THE 1000 ISLANDS

CONTRACT 2019-32

# **MYCOM COMPRESSOR**

**MAY 2019**

Les Johnston  
Supervisor Arenas and Facilities  
Operations Department  
CITY OF BROCKVILLE  
251 North Augusta Road  
Brockville, Ontario  
K6V 2Y2

# **1 GENERAL**

## **1.1 SCOPE OF WORK**

This Section of the Contract includes all Ice Rink Equipment work called for, or implied, together with all necessary incidentals, whether referred to or not, as will be required to complete the work to the full intent and meaning of the specifications. The work includes, but is not limited to the following:

1. Contractor must be T.S.S.A approved
2. Contractor is to supply and install one (1) N2M Mycom Reciprocating Compressor (no alternative accepted)
3. Contractor is to supply and install one (1) 50hp Premium Efficiency motor. (Motor must be approved before the Quotation is finalized)
4. Contractor is responsible for installing a new charge of approved oil
5. Contractor is responsible for installing new belts
6. Contractor is responsible for engineered housekeeping pad modifications for the new package unit.
7. Contractor is responsible to ensure pipe sizes are adequate to handle the increased compressor set up.
8. Contractor is responsible for any new pipe insulation as a result of the install.
9. Any painting and identification labels.
10. Any ministry Inspections.
11. Start-up and testing.
12. Manuals and as-built drawings (2 copies).

## **1.2 RELATED WORK**

The Contractor shall coordinate all phases of the above Scope of Work with their General Contractor, Electrical and Mechanical Contractors.

## **1.3 REFERENCED STANDARDS:**

Comply with all codes and standards (latest versions) applicable to this type of work, including:

1. ANSI B31.5
2. ASHRAE 15 Safety Code for Mechanical Refrigeration.
3. ASME B31.5 Refrigeration Pressure Piping Code.
4. Mechanical Refrigeration Code - CSA-B52- 18
5. Boiler and Pressure Vessels Act.
6. Hydro Electrical Safety Code.
7. WCB Regulations.
8. Any other local or provincial requirements.

## **2 EQUIPMENT**

### **PRODUCT**

- 2.1 Qty. (1) MYCOM N2M (no alternative accepted)
- 2.2 Qty. (1) 50hp Premium Efficiency motor.
- 2.3 Compressor complete with all new base, OSHA belt guard, v-belts, discharge check valve, coalescing oil separator including new oil return valve and float off separator.
- 2.4 One (1) new gauge board and stand which includes all pressure gauges and limit switches (low oil pressure, high oil temp, high discharge pressure & suction cut in/out) shall be provided and connected to the compressor.
- 2.5 Pressure relief valve shall be included on the compressor, in compliance with CSA-B52.
- 2.6 Compressor relief valve shall be connected to the relief header. The contractor shall include the cost of any supplemental branch piping and fittings to facilitate this connection.
- 2.7 Contractor to provide new contactors, fuse blocks, soft starter, and wiring for the installed compressor motor.
- 2.8 Suction line to be insulated to the compressor isolation valve.
- 2.9 Suction Valves c/w Seal Cap - One (1) per compressor
- 2.10 Discharge Valves c/w Seal Cap - One (1) per compressor

## **3 EXECUTION**

### **3.1 ELECTRICAL**

Contractor is responsible for necessary wiring and controls.

### **3.2 TESTING AND INSTRUCTION**

The Contractor shall test run the equipment and provide supervision of the Owner's operating personnel. He shall also provide instruction to the Owner's operating personnel as to the operation, care and maintenance of the ice rink equipment.

### **3.3 MANUALS**

Provide two copies of operating and maintenance manuals for all ice rink equipment covered under this contract, including as-built drawings.

## 4.0 PRICING

SUPPLY & INSTALL MYCOM N2M COMPRESSOR COMPLETE WITH NEW MOTOR AND BASE.  Start Up & Commissioning Included Staff Training Included	\$
HST 13%	\$
<b>Project Grand Total</b>	\$

\_\_\_\_\_  
Signature

\_\_\_\_\_  
Date