



***City of Timmins
Mattagami Water Pollution Control Plant***

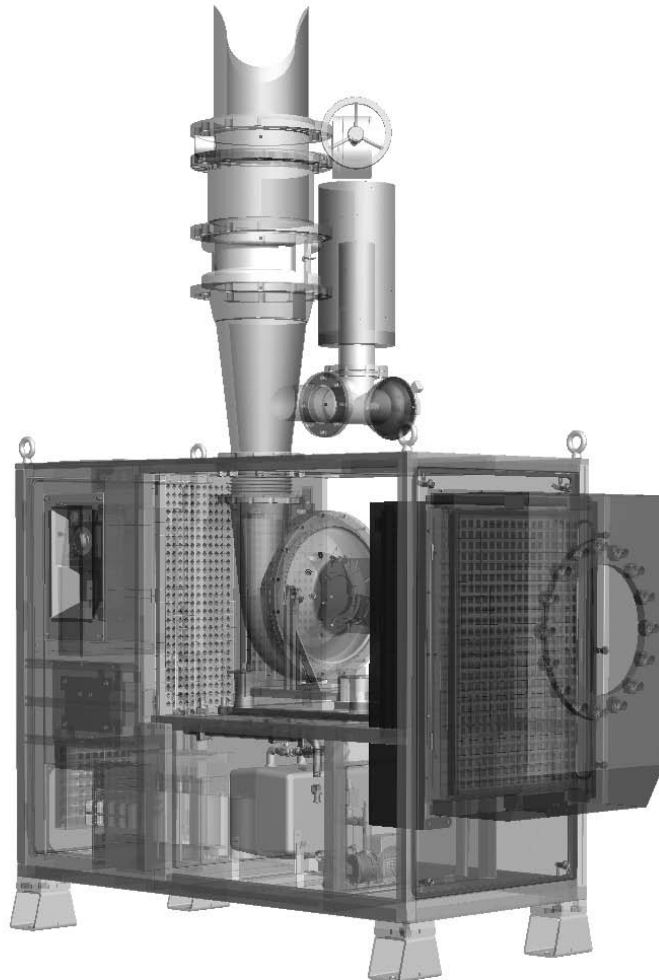
High Speed Turbo Blower

Bid Scope of Supply

Submitted by:

APGN Inc. D.B.A APG – Neuros

April 12th, 2012



APGN Inc.

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www.apg-neuros.com

April 12th, 2012

Reference: Addendum 1-February 10, 2012
Section 11250-1 Turbo Blowers

Subject: Request for Proposal – Supply of Process Aeration Equipment

Dear Sir / Madame,

APG-Neuros is pleased to submit the following proposal in response to the above referenced inquiry.

APG-Neuros Turbo Blower Scope of Supply:

A. Four (4) NX200-C080 Neuros NX Turbo Blowers system packages, rated for conditions as shown on the datasheet, complete with integrated components as follows:

- Blower core including high efficiency impeller, permanent magnet synchronous motor, bump-foil air bearings
- High Performance, UL & CSA certified, KEB Variable Speed Drive and Inverter specially tuned for high speed motor, 3/60/480 Volts
- Input Line Reactor to minimize harmonics
- Sine-wave (sinus) filter for cooler running motor
- Blower Local Control Panel and 6" Touch Screen – Allen Bradley CompactLogix
- Provisions for Remote Control capability via Ethernet, LAN or Hard wiring
- Temperature sensors for motor, bearing, inlet and discharge air flow
- Pressure sensors for inlet and discharge conditions
- Pressure sensor and alert for air filter condition
- Built in Flow Indication
- Built in Speed measurement
- Internal Expansion Joint
- Internal vibration and dynamic effect Absorption Mounts
- Built in vibration sensor, transmitter and display
- Polyester inlet air filters with >95% efficiency @ 10 microns
- Internal harmonic filter-Passive type meets IEE 519 Total Harmonic Distortion (8%)
- All above components within a sound attenuating enclosure
- Discharge Expander (Discharge Cone) attached to Turbo Blower
- Blow-off bypass valve to blow off air flow during start sequence
- Blow-off silencer to silence air flow during start sequence

B. Each blower is complete with following ship loose items:

- One (1) Flexible connector for discharge
- One (1) Flexible connector for the inlet

C. Aeration Control Equipment and extras:

- One (1) Master control panel-Allen Bradley CompactLogix

D. Submittal Information: Copies as required

- Qualifications of APG-Neuros
- Quality of construction
- Power Guarantee
- Product Data
- Detailed Drawings
- Quality Control
- Certified Blower test
- Operation and Maintenance Manuals

E. Payment Terms:

- 15% upon issuance of shop drawings
- 75% at delivery to Jobsite or offer to ship based on agreed upon schedule
- 10% upon Start-up, no later than 90 days after Delivery
- 1.5% Interest charge per month will be added to past due accounts.
- Payment shall not be dependent on the buyer being paid by any third parties or equipment acceptance by owner.

F. Proposal Validity and Seller Terms and Conditions

- Unless otherwise specified elsewhere in the Sales Agreements, the prices in this proposal are valid for ninety (90) days from the issue date on the cover page.
- This proposal, unless otherwise specified herein this document, is subject to the Seller's General Terms and Conditions of Sales available upon request.

G. Factory Inspection and Tests

- Factory Acceptance Performance Test to ASME PTC-10 standard. Testing and performance shall be performed by an independent testing agency.

H. Warranty

- Blowers and appurtenances (parts and labor) will be warranted for a period of Five (5) year from the date of start- up not to exceed sixty-six (66) months from readiness to ship.

I. Technical Support

- APG-Neuros will provide services of a qualified technician on site for start-up, field testing and operator training to complete a proper start-up and allow for a proper training of the operation and maintenance personnel.

J. Spare parts

- Eight (8) sets of inlet air filters
- One (1) metal tool boxes and tool kits

K. Quality Assurance / Certifications

- Neuros Turbo Blowers is Factory Certified to CSA/US (Project Requirement)
- Neuros production system is certified to ISO 9001

Price \$ lot price

- Price is Net F.O.B. shipping origin, and Excludes Taxes.
- Price covers Items A through J.

L. Delivery Lead time

Sixty (60) days from approval of shop drawings. Also, please see Bid Form.

M. Exclusions

The following items are not included in this scope of supply

- Anchor Bolts
- Inlet and discharge silencers (not required to reach 85 dbA)
- Inlet, Check and Isolation valves (to be supplied by contractor)
- Seismic Calculations
- Blower Installation
- Piping for suction, discharge, gauge, vent, seal, etc. and miscellaneous fittings
- Harmonic Mitigation testing on site
- Electrical and Controls of any kind beyond those provided inside the Turbo Blower enclosure or otherwise listed in this scope of supply.

N. Procurement, Service, and Warranty contact information:

Fernando Araujo, Senior Project Manager
1270 Michèle-Bohec
Blainville, Québec J7C 5S4
Phone 450-939-0799
Fax 450-939-2115

We appreciate the opportunity to quote APG-Neuros Turbo Blowers and look forward to a successful project.

Yours truly,

A handwritten signature in black ink, appearing to read 'Omar Hammoud'.

Omar Hammoud
President