

Advance Contract Award Notice – ACAN – (15-22024)**THE NATIONAL RESEARCH COUNCIL OF CANADA'S HUMAN HEALTH THERAPEUTICS PORTFOLIO REQUIRES THE SERVICES OF A MECHANICAL TECHNICIAN TO PERFORME THE REQUIRED MAINTENANCE ON FERMENTATION EQUIPMENT.**

- 1.0 ACAN** - An ACAN is a public notice indicating to the supplier community that a department or agency intends to award a contract for goods, services or construction to a pre-identified supplier, thereby allowing other suppliers to signal their interest in bidding, by submitting a statement of capabilities. If no supplier submits a statement of capabilities that meets the requirements set out in the ACAN, on or before the closing date stated in the ACAN, the contracting officer may then proceed with the award to the pre-identified supplier.
- 1.1** The National Research Council wishes to award a sole source contract to Maintenance Mechanique – Pierre Lamarre Inc (MMPL). MMPL was chosen for this agreement as they are the only known vendor with the unique skill set to maintain and provide technical advice and services for the repair and maintenance of our long list of Bioreactors and Biopharmaceutical/Fermentation equipment listed in Annex B. (Chemap, Alpha Laval, Aventis, Microfluidics, Waukesha, Waton Marlow and Masterflaex, Eppendorf)
- 1.2** Supplier's Right to Submit a Statement of Capabilities: Suppliers who consider themselves fully qualified and available to provide the services described in the ACAN may submit a statement of capabilities in writing to the contact person identified in this notice on or before the closing date of this notice. The statement of capabilities must clearly demonstrate how the supplier meets the advertised requirements.

Inquiries and statement of capabilities are to be directed to:

Johnathon Gillis Phone: (613) 993-5506, Email: Johnathon.Gillis@nrc-cnrc.gc.ca

National Research Council – 6100 Royalmount, Montreal, Quebec H4P 2R2

Estimated Contract value: - \$250,000 to \$500,000 CDN

Vendor: Maintenance Mechnique P.Lemmare Inc. 8431 Waverly, Montreal, Quebec

2.0 Background: The human and health therapeutic portfolio (HHT) works with about 100 Canadian and international clients in the biopharma and biotech industries. It primarily has partnership with Canadian SMEs that develop biologics and vaccines against cancer, infectious diseases, neurological diseases, inflammatory diseases, and autoimmune diseases, as well as Canadian bio-manufacturers who produce clinical trial and commercial grade biologics and vaccines.

2.1 Mission:

Working with clients and partners, the pilot plant of the human and health therapeutic (HHT) portfolio help company to reach market. Before a product can reach market, it essential to develop a process that is adapted to scale up. The pilot plant of the human and health therapeutic (HHT) portfolio provides innovation support and technology services to develop and validate these process. The HHT pilot plant is an asset for Canadian industry and will accelerate development of new drugs.

2.2 Human and health therapeutic (HHT) programs:

NRC's human and health therapeutic (HHT) offers a wide range of expertise, but focuses innovation efforts on the following programs: Vaccines and Biologics. The (HHT) owns and operates a large fermentation facility of 5600pi². This



Facility generates important revenue for the HHT portfolio. It consists of various size stainless-steel bioreactor systems, continuous centrifuges, cell breakage equipment, pumps and tanks to support all activities. This equipment is very specialized and needs special care. The HHT portfolio located in Montreal is looking for a mechanical technician with a background specialised in the Biopharmaceutical domain.

3.0 SCOPE OF WORK

The technician will be responsible for the maintenance of CHEMAP Bioreactors with volumes between 3.5 L to 1500 L, Disk Stack discharge centrifuges from Alpha Laval, a cell disruption system M-725 from Microfluidics and different pump models as described in annex B. The maintenance will be scheduled by the Project manager. The mechanical technician must be autonomous in his various tasks and must be able to respond without any delay. The service that will be provided by the technician is essential for the revenue generation of the fermentation team.

3.1 The Contractor must:

- Provide technical oversight over all pilot plant equipment.
- Plan and execute preventive maintenance on equipment.
- Meet with the project manager to discuss the fermentation schedule, and determine priority accordingly.
- Diagnose and provide solutions for equipment failures and problems.
- Present recommendations and options to the project manager to aide in key decisions related to equipment maintenance.
- Repair or make modifications to the equipment as necessary to ensure minimal down-time.
- Draft weekly technical reports and maintenance records.
- Provide expertise and technical advice to external contractors.

3.2 Education and work experience:

- Have a minimum of a Bachelor Degree in Mechanical Engineering.
- Must have a minimum 5 years of experience in pharmaceutical environment.
- Must have a minimum of 5 years' experience in repair and maintenance with the equipment listed in annex B.
- Have the certification where applicable and relevant experience with the following:
 - Must have experience working in a biopharma and biotech environment.
 - Experience with safety and electrical procedures including using a lockout/tag out system.
 - WHIMIS (SIMDUT) training/certificate
 - Training and relevant experience working in confined spaces.
 - Experience/Certificate using lifting equipment (Mechanical/Electric Powerlifts)

3.3 Working hours:

- The technician must be on site 3 days per week and address emergencies as a priority. The project manager/contractor will mutually agree on timetable.
- In case of an emergency calls, the technician must be available to respond to emergencies within a 2 hour window and implement remedy within a 24 period.
- General working hours are Monday to Friday between 8h00 and 17h00.

4.0 Supply Period: This contract is for a period of three years plus two additional one year periods. The optional periods are subject to the satisfactory and sole discretion of the NRC.

5.0 Deliverable and expectations:

5.1 The mechanical technician must be available 3 days a week or 22.5 hours per week to assess equipment maintenance, equipment failures and provide guidance to the project manager.

5.2 The mechanical technician can/will be called for emergency repairs outside of the normal hours.

5.3 The supplier must send weekly a status reports on to NRC project manager.

5.4 The NRC Project Manager will use the weekly status report to approve the work done by the contractor.

5.5 The Contractor may also call onto the Project Manager at any time with questions, to expose a problem or for additional guidance.

#	Equipment description	Brand	Year model
1	Bioreactor 3.5 L With base FZ2000et FZ3000	Chemap	1987
2	Bioreactor 20 L With base FZ2000et FZ3000	Chemap	1987
3	Bioreactor 75 L	Chemap	1987
4	Bioreactor 150 L	Chemap	1987
5	Bioreactor 750 L	Chemap	1987
6	Bioreactor 1500 L	Chemap	1987
7	Decontamination Tank 500 L	Chemap	1987
8	Collecting tank 4000 L	Chemap	1987
9	Sterilisable, pressurisable tanks, 500, 750, 1000 L	Chemap	1987
10	Disk stack Centrifuge BTPX 205	Alpha Laval	1987
11	Homogeneizer Aventis	Aventis	2013
12	Microfluidizer M-110Y	Microfluidics	1990
13	Microfluidizer M-725	Microfluidics	1995
14	Centrifuge pump	Waukesha	1987
15	Peristaltiques pumps	Watson Marlow and Masterflex	1987
16	Rotary gear pump high pressure 340 LPM	Waukesha	2013
17	Rotary gear pump high pressure 136 LPM	Waukesha	2012
18	Bioreactors New Brunswick	Eppendorf	2000