# REQUEST \# 10919-1 <br> Compact, Low Cost Water Jet Pump with a High Delivery Pressure 

RESPONSE DUE DATE: December 21, 2007
POINT OF CONTACT:
Take Miyasugi, Ph.D., miyasugi@ninesigma.com

## Opportunity

Contract development, Components supply

## Timeline

Completion of prototypes: Up to 1 year
Commercialization: Up to 1 year

## Financials

Up to US\$ 100,000/year (Details to be discussed separately)


- Technical approaches to producing a pump system that will satisfy the client's requirements and the rationale for the feasibility of the approaches

Please use the response template for proposal submissions.
(Response Template:
http://files.ninesigma.com/mx/109191/Response Template.doc)

## BACKGROUND

NineSigma's client is an industry leader with unique product technology and a firm global position in the electric appliance industry.

The client has a line of household appliances with an annual output of several hundred thousand units, each with a water jet pump system, and the client has decided to develop high-performance water jet pumps in order to further improve the performance of these products.

Although there are pumps with the desired shape, delivery pressure, rated flow rate, and rated output power available on the market, most of them are far more durable than what is required, resulting in exorbitant prices for appliances.

Thus, the client now calls for a partner who can produce high-performance, low-cost pumps that are suitable for appliances. Commercializing the
this technology is expected to have an immense impact on strengthening competitiveness of existing appliances and expanding demand.

## Possible Approaches

The client will welcome a wide variety of proposals ranging from improving or modifying existing pumps to lower their price, to creating conceptual designs for radically novel operating mechanisms.

## Anticipated Project Phases or Project Plan

Conceivable approaches include but are not limited to the following:

The client will examine the proposals, query the respondents as needed, and select a few promising proposals.
The client will then conclude a non-disclosure agreement (NDA) with each of these respondents and ask them to disclose further information, and may request samples as required to evaluate the technology.
When the client selects a proposal the promises to meet the requirements, the client will conclude a joint development agreement with the respondent.

The client assumes that up to 1 year will be required to complete the prototypes and a further 1 year will be required for developing the actual service models.
The client finally assumes to have components supply from the respondent. Details are discussed and decided later.

## Responding to this Request

## Non-Confidential Disclosure

By submitting a Response you represent that the Response does not and will not be deemed to contain any confidential information of any kind whatsoever.

Your Response is limited to no more than 3 pages. The Response should briefly describe the technical approach; provide information on technology performance, background, and description of the responding team and their related experience.

By submitting a Response, you acknowledge that NineSigma's client reserves the sole and absolute right and discretion to select for award, all, some, or none of the Responses received for this announcement. NineSigma's client may also only choose to select specific tasks within a proposal for award. NineSigma's client has the sole and absolute discretion to determine all award amounts.

## Response Evaluation

The Response will be evaluated using the following criteria:

- Overall scientific and technical merit of the proposed approach
- Approach to proof of concept or performance
- Potential for proprietary position (i.e., is the technology novel or protectable)
- Economic potential of concept
- Offeror's capabilities and related experience
- Realism of the proposed plan and cost estimates

The offerors with highly responsive proposals will be contacted for next steps.

