NNJ11HB41P

NATIONAL AERONAUTICS AND SPACE ADMINISTRATION
LYNDON B. JOHNSON SPACE CENTER

JUSTIFICATION FOR OTHER THAN FULL AND OPEN COMPETITION
PURSUANT TO 10 U.S.C. 2304(c)(1) and
FEDERAL ACQUISITION REGULATION (FAR) 6.302-1

1. This document is a Justification for Other Than Full and Open Competition is prepared by the NASA Lyndon B. Johnson Space Center (JSC).

2. The nature and/or description of the action being approved:

The Energy Systems Division (ESD) is responsible for providing Johnson Space Center (JSC) engineering expertise for human and human-supported spacecraft. The division provides conceptual design, feasibility studies, analysis, development, qualification testing, flight certification, operations, and sustaining engineering for energy systems.

This justification provides the rationale for contracting by other than full and open competition for the procurement of GS Yuasa 134 Ampere-hour (Ah) lithium-ion cells with GS Yuasa Lithium Power in Roswell, GA.

3. Description of the supplies or services required (including the estimated value):

The estimated cost for the requested cells is $229,320. This procurement will provide sample cells to support test set-up verification tasks at JSC. These sample cells represent a cell design which is a candidate for a future International Space Stations (ISS) battery design.

4. Statutory authority permitting other than full and open competition:

The statutory authority for this procurement is "Only one responsible source and no other supplies or services will satisfy agency requirements," pursuant to 10 U.S.C. 2304(c)(3), and implemented by FAR 6.302-1.

5. A demonstration that the proposed contractor's unique qualifications or the nature of the acquisition requires use of the authority cited:

GS Yuasa is uniquely qualified to provide the required cells because of their expertise with lithium-ion cell design and their already established manufacturing process. This expertise and established process was obtained under a previous order, NNJ09HB69P. Under this competitive procurement, GS Yuasa provided 50 Ah cells to support the International Space Station (ISS) lithium-ion risk mitigation task. The previous order supported the downselect for the current requirement for the 134Ah GS Yuasa cell design as a candidate for a future ISS battery design.

As a result of the previous order, GS Yuasa possesses the prior data to manufacture cells sought for this procurement action. The prior data is proprietary to GS Yuasa.

6. Description of the efforts made to ensure that offers are solicited from as many potential sources as practicable:

A synopsis was issued on the NASA Acquisition Internet Service on March 11, 2011 to allow industry the opportunity to provide capabilities. The synopsis closed on March 25, 2011, and no responses were received.

7. Determination by the Contracting Officer that the anticipated cost to the Government will be fair and reasonable:

The anticipated price will be fair and reasonable based upon technical evaluation, technical expertise, and recent purchases that were competitively sourced for similar materials.

8. Description of the market survey conducted and the results, or a statement of the reasons a market survey was not conducted:

A synopsis was issued on the NASA Acquisition Internet Service to notify industry of the anticipated work. No responses were received.

9. Other facts supporting the use of other than full and open competition:

GS Yuasa possesses proprietary data obtained under a previous purchase order, which was competitively sourced. The previous order supports the current requirement for a GS Yuasa cell with an increased electrical charge. This procurement will allow additional cell testing for a future ISS battery design.

10. A listing of sources, if any, that expressed in writing an interest in the acquisition:

No sources expressed interesting in the acquisition.

11. A statement of the actions, if any, the Agency may take to remove or overcome any barriers to competition before any subsequent acquisition for the supplies or services required:

Barriers to competition may be removed through a continuous effort to closely monitor the industry for potential vendors capable of providing similar cell designs with similar flight heritage and performance specifications.

Justification for Other than Full and Open Competition for GS Yuasa 134 Ah Lithium Ion Batteries

Technical Officer: I certify that the supporting data presented in this justification are accurate and complete.

Monique Wilburn
Technical Monitor

4-3-11
(Date)

Contracting Officer:

I certify that this justification is accurate and complete to the best of my knowledge and belief.

P. Lamar Mueller
Contracting Officer

4-11-11
(Date)