

Folder Number: 15267-0040

Requisition/PD# N0010415XF181

This acquisition will be negotiated with: 30260 - THERMO ORION

Waiver of FAT will be granted for: Waiver not required if purchased through 30260 - THERMO ORION

Lead time associated with FAT is: [redacted] days

There is an unusual and compelling urgency to negotiate and award to 30260 - THERMO ORION

as they are the only source(s) capable of meeting the urgent delivery schedule. Failure to obtain the required supplies will result in:

If the Orion Ross Sure-Flow PH electrodes are not able to be procured in an expedient manner, the Fleet will be at risk of running out of supply. If the fleet does not have this item, then the nuclear vessels are not able to deploy. The Orion Ross Sure-Flow PH electrodes are used to monitor PH in all the Navy Nuclear ships and submarines. If an Orion Ross PH electrode fails and cannot be replaced, PH cannot be measured. Careful control of steam plant PH is required during all possible thermal and hydraulic performance of the steam generators. Chemistry control is extremely important in avoiding conditions which can cause rapid corrosion of propulsion plant tubes. Chemistry monitoring helps to minimize corrosion of the secondary side of the steam generator tubing and steam generator secondary side internals by maintaining an alkaline PH in the boiler water to minimize general corrosion of steam generator tubing and internals. Corrosion of the steam generator tubing can result in primary (radio-active) to secondary tube leaks.

This item is part of the Nuclear Water Chemical Program (NWCP). This item is critical to the Naval Reactors program. Items in the NWCP are managed to the most stringent quality and stock levels of any nuclear repair part item and are 100% production lot tested by engineers at Puget Sound Naval Shipyard and Intermediate Maintenance Facility (PSNS&IMF) Chemical Laboratory. In order to fulfill immediate demand for deploying vessels, NAVSUP WSS must maintain a minimum stock level of at least [redacted] to eliminate any possibility of not having stock when needed and to prevent any possibility of Nuclear radiation leakage which could result in serious injury to personnel and severe financial liability to the government.

The ongoing quarterly demand of this product is [redacted] and currently the Navy only has [redacted] items on hand. There are [redacted] back-orders that need to be filled and [redacted] Program Requirements (PPRs). The PH electrodes have a shelf life and must be issued well before the items reach the expiration date. Expiration date aside, the stock will be depleted on or before the end of December 2015. Therefore, the Navy will have no electrodes to issue in December 2015.

The Navy requires [redacted] Ross PH Electrodes immediately to fill the back-ordered and current requirements as well as the demand for the next four quarters while maintaining the necessary quantity of [redacted] on hand. Since the last procurement, the Navy believes that this item may be able to be competitively acquired, but the requirement is currently under technical review in order to develop competitive specifications. If the Navy is able to develop competitive specifications, the procurement lead time would be at least [redacted] days and then the production lead time (PLT) of an item is at least [redacted] days (not to include testing failures). At a minimum, with a competitive procurement, the Navy would not receive material for at least [redacted] days, which is not possible since Navy Nuclear cannot be without this item.

Historically Thermo Orion has been the Navy's only source for the PH electrode, is the only source currently waived for FAT, and is the only known source able to meet the Navy's immediate needs and delivery requirements by December 2015. This item has had extensive testing to confirm its accuracy and repeatability to ensure it meets the functional and physical requirements for the intended use

Backorders	[redacted]	On Hand	[redacted]	On Contract	[redacted]
Anticipated backorders during PLT	[redacted]	Quarterly Demand	[redacted]		

6. FEDERAL BUSINESS OPPORTUNITIES/POTENTIAL SOURCES: Synopsis of the contract was waived in accordance with FAR 5.202(a)(2).

A review has been made to determine and identify all known sources. The following sources have expressed interest in the acquisition:

None at this time

Market research was conducted in accordance with FAR Part 10. The results of the market research conducted (or the reason market research was not conducted) is as follows:

This item is a spare part required for repair in the Nuclear Reactor Program (NRP). NAVSUP WSS's review of the following systems has been completed to confirm part number, price, and sources. ITIMP (Integrated Technical Item Management & Procurement) System,

WebFLIS (Federal Logistics Information System), ADSARS -(Automated Document/Drawing Storage and Retrieval System) , Enterprise Business System (Secure System).

7. DETERMINATION OF FAIR AND REASONABLE COST:

The contracting officer determines that the anticipated cost to the Government of the supplies covered by this J&A will be fair and reasonable.

8. ACTIONS TO REMOVE BARRIERS TO FUTURE COMPETITION:

This item is currently undergoing technical review by the Cognizant Design Agency to determine feasibility of competitive procurement.

9. REFERENCE TO THE APPROVED ACQUISITION PLAN:

A formal plan is not required for this acquisition.

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**CERTIFICATIONS AND APPROVAL
TECHNICAL/REQUIREMENTS CERTIFICATION**

I certify that the facts and representations under my cognizance which are included in this Justification and which form a basis for this justification are complete and accurate to the best of my knowledge and belief

Technical Cognizance:

 Signature James W Stebbins Jr Name  Phone 24 SEP 15 Date

Requirements Cognizance:

 Signature David Robertson Name  Phone 9/24/15 Date

COMPETITION ADVOCATE REVIEW AND CONCURRENCE

 Signature Adam Johnson Name  Phone 9-24-15 Date

CONTRACTING OFFICER CERTIFICATION

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

 Signature Dawn Roberts Name  Phone 9/24/15 Date

LEGAL SUFFICIENCY REVIEW

I have determined this Justification is legally sufficient

 Signature Lori Suden Name  Phone 9-24-15 Date

APPROVAL REQUIRED BY FAR 6.304

 Signature  Name  Phone  Date

Approval Levels:

\$150,000 - \$650,000:	Contracting Officer
Over \$650,000 - \$12,500,000:	Competition Advocate
Over \$12,500,000 - \$85,500,000:	HCA (delegated to NAVSUP WSS 00 and 09)
Over \$85,500,000:	ASN (RD&A)