MANUFACTURING QUALIFICATION REQUIREMENTS

NSN: 6110-01-275-8549
P/N: 16E2504-841
Noun: Power Distribution Panel
Application: F-16

Qualification Requirement Cost Estimate

Estimate the likely cost for testing and evaluation which will be incurred by the potential offeror to become qualified. This is a requirement of FAR 9.202(a)(1)(ii) and 10USC2319(b)(3) (The following categories may not apply in all cases. The product engineer should identify the costs applicable to the project and indicate N/A on all sections that do not apply.)	
Total cost is	**$10,000.00**
Section A. Shipping, if required, use DD Form 1654, *Evaluation of Transportation Cost Factors* to develop the information. Refer any questions to the Procurement Contracting Officer for cost estimation.	
Section B. Dimensional/Electronic Verification. Contact the science/engineering laboratory to obtain cost estimates (bids) for tests such as:	$ 3,000.00
a. Chemical	
b. Metallurgical	$ 0.00
(1) Destructive	
(2) Non-Destructive	
c. Dimensional	$500.00
d. Electronic	$2,500.00
e. Mechanical	
f. Non-Destructive Inspection	
Section C. Nuclear Hardness [This includes cost of shock, vibration, and Electro-Magnetic Pulse (EMP)]. Contact Systems Engineering Integration and Test Division for hourly rate.	
Section D. Form, Fit, Function and Interface. Contact your organizational Production Management Specialist (PMS) to obtain information on the same or similar item where work has been accomplished in the past using AFMC Form 206, **Temporary Work Request**.	$7,000.00
Section E. Original Equipment Manufacturer (OEM) Qualification Testing (If required)	$ 0.00
a. ***Laboratory Costs*** (Costs are directly dependent on the type of testing to be accomplished and the location and duration of the testing. For example, landing gear laboratory testing is normally accomplished on a dynamometer and costs vary from $25,000 to $500,000 depending on the depth of testing. Aircraft and missile testing will vary as the requirement dictates and the cost will have to be identified by the source of testing).	
b. ***Flight/Data Reduction & Analysis Costs***.	
Section F. Travel by Contractor to Test Site (if required)	$ 0.00
a. Lodging	
b. Per Diem	
c. Rental Cars	
d. Incidentals (Verified)	
Section G. SAR Package Development/Evaluation Cost: A potential new source's development of a Source Approval (SAR) package may cost as much as:	
In addition, the cost incurred for Government evaluation of their SAR may be as much as:	
Evaluation cost may be born by the government if it is in the best interest of the Government to qualify alternate sources.	

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SECTION C:

1. QUALIFICATION REQUIREMENTS THAT MUST BE SATISFIED TO BECOME A QUALIFIED SOURCE

a. *Prequalification Notice/Sources Sought:* The offeror shall notify the appropriate government Small Business Office or, if responding to a solicitation, the contracting officer in the appropriate government contracting office, of intent to qualify as a source for this Power Distribution Panel.

b. *Facilities, Testing, and Inspection Capabilities:* The offeror must certify to the government that they have, or have access to, the required facilities and equipment to manufacture, inspect, test, package, and store the item. The offeror shall make their facilities, equipment, tooling, and personnel available for evaluation and inspection by the government.

c. *Data Verification:* The offeror must verify that he has a complete data package. This verification must include a complete list of all procedures, drawings, and specifications, including change notices, in the offeror's possession including, at a minimum Lockheed Martin(81755) drawing 16E2504. The offeror may also be required to produce copies of all applicable procedures, drawings, or specifications.

d. *Manufacture/Process Verification:* The offeror must manufacture this item to conform to the government requirements as prescribed within the ESA-approved engineering/technical data package. The offeror must show compliance with Unique Identification (UID) requirements in accordance with DFARS 211.274 as prescribed within the ESA-approved engineering/technical data package. The offeror must provide, at their own expense, data showing the results of all quality, performance, and environmental evaluations conducted by the offeror to show compliance with the government requirements as prescribed by 416th SCMS/GUEAA. The offeror shall also identify its sources for materials and its standards for internally used processes.

e. *Test and Evaluation and/or Verification:* The offeror, at their own expense, shall prepare and submit to 416th SCMS/GUEAA for their prior approval, a qualification test plan/procedure detailing how they intend to verify compliance with all performance, environmental, mechanical, and quality assurance requirements identified by Drawing 16E2504. After completion of the approved qualification testing, the offeror shall be required to submit a complete test report of the results to 416th SCMS/GUEAA for their review and approval prior to the contract award. The government retains the right to exercise the option to inspect the testing processes, including on-site witnessing of any or all documented testing. To allow accomplishing this, the offeror shall notify the government at least 60 days in advance of the occurrence of any testing that will be used as a basis for qualification. The offeror's facilities shall be made available for government inspection during these tests.

f. *Qualification Article Verification:* The offeror must provide, at their own expense, a pre-contract award qualification article for evaluation by the government. This article must comply with all of the requirements of Drawing 16E2504. This article shall be subjected to a form, fit, and

function evaluation to demonstrate compatibility with the weapon system and to evaluate the manufacturing capability of the offeror. Offerors will be notified whether or not their qualification article passed or failed the required qualification testing within 120 days of submitting a product for qualification testing. Note that successful completion of the qualification testing does not guarantee any contract award. If the offeror is deemed qualified and awarded the contract, a post-contract award first article exhibit may be required to verify production capability.

g. *Qualification Requirement Cost Estimate:* Estimated likely costs for testing and evaluation, which will be incurred by the potential offering party to become qualified: $10,000.00.

h. *Qualification Time Completion Estimate:* It is the estimate of the engineering support activity that completion of this qualification effort should require 180 days. This is based on complexity of the Power Distribution Panel and other factors.

i. *Qualification Time Limitation:* An offeror may not be denied the opportunity to submit and have considered an offer for a contract if the offeror can demonstrate to the satisfaction of the contracting officer that the offeror (or its product) meets these standards for qualification or can meet them before the date specified for award of the contract. The award will not be delayed to provide the vendor with an opportunity to demonstrate its ability to meet the standards specified in this qualification requirement.

j. *Evaluation of Proposals Not Previously Qualified:* The offeror must be fully qualified in order to be eligible for a contract award. Therefore, the offeror must fulfill all of the requirements stated, in writing, in the qualification requirement before the date specified for award of the contract. Once all requirements are met, the offeror will be listed as an approved source for this item. Approval, however, does not guarantee subsequent contract award.

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2. SOURCE QUALIFICATION WAIVER REQUIREMENTS

Sources who meet any of the following source Qualification Waiver Criteria (QWC) may apply for a waiver of all or part of the qualification requirements. If a waiver is granted and the offeror is awarded a contract, the offeror may still be required to provide a post-contract award first article exhibit to verify production capability:

a. *QWC1:* The potential source submits written certification that the articles have been supplied to the government or original equipment manufacturer (e.g., DD Form 250, Material Inspection and Receiving Report, Purchase Order invoice, etc).

b. *QWC2:* A source qualified to provide an assembly is usually qualified to provide subassemblies, major components, and items of that assembly.

c. *QWC3:* A source qualified to provide earlier dash numbers of a basic P/N may be qualified to provide other dash numbers of that same basic P/N, provided there is no increase in complexity, criticality, or other relevant requirements.

d. *QWC4:* A source qualified to provide a similar or like item can be qualified to provide the required item. However, for approval, the engineering authority must verify that there is no increase in complexity, criticality, or other requirements over that of the similar item. At a minimum, the source shall provide a complete set of drawings for the similar item and written proof, such as purchase orders, shipping documents, etc., to show that the similar item was provided to the original equipment manufacturer or DoD.

e. *QWC5:* A source previously qualified to provide an item, but which has been purchased, sold, merged, absorbed, reformed, split, etc., may qualify if it can be established that the qualification is currently with the requester and that the requester has the same or equivalent facilities, tooling, equipment, personnel, and utilizes the original forging, castings, etc., in the manufacturing process.