

Analysis of Vendor Proposals for LCLS Undulator support and Motion System Assembly Contract

Reference Document: Source Selection Plan for LCLS Undulator support and Motion System Assembly

Note: Metalex was not included in this analysis because they chose not to bid.

Criterion	Major Tool	Hi-Tech Manf.	Walco Tool	Comments
<u>Technical Criteria</u>				Scoring logic: 1=Satisfactory. 0=Not provided -1=Unsatisfactory
Lists of previously fabricated precision machined weldments and assemblies with a list of all customers for similar magnetic devices during the past five years to include names, addresses, and telephone numbers.	0	0	0	
Description of fabrication techniques and procedures used in the construction of the earlier devices and any special techniques/considerations that can be applied to the construction of the LCLS Undulator Support and Motion System Assemblies.	0	0	0	
Description of experience in the management of programs of similar size and complexity, and techniques that would be applied to the LCLS program	0	0	0	
The availability, within the Vendor's facilities, of welding facilities, precision machining equipment and precision measuring capabilities sufficiently sized to handle the machining and validation the parts. Sufficient capacity must be shown to assure that the breakdown or failure of one piece of equipment or the loss of one worker would not place the program deliveries in jeopardy. NOTE: To satisfy this requirement, the Vendor must provide types and quantities of equipment, within the Vendor's facilities, available to perform the above named functions, and show that machinists, welders, inspectors are in sufficient numbers and suitably cross trained on the equipment.	0	0	0	
The availability, within the Vendor's facilities, of suitable assembly space and storage space. The proposed assembly space must provide a suitable environment for Assembling and testing the Support and Motion System Assemblies.	0	0	0	
Subcontractors proposed to participate in the project, their names, tasks and capabilities.	1	1	1	Hi-Tech proposal is acceptable if Metalex is their subcontractor.
Facility capacity in size, equipment and personnel demonstrating the capability to execute the contract.	0	0	0	
Proof of timely schedules that the offeror met in completing and delivering the goods in previous similar contracts.	0	0	0	
The proposed schedule for the manufacture, assembly and factory testing of the devices; and shipping dates.	-1	1	1	

Criterion	Major Tool	Hi-Tech Manf.	Walco Tool	Comments
Proposed packaging, mode of transportation, custom procedures, if applicable, and shipment notification procedures	0	0	0	
Key staff members proposed to participate in this project to include their prior experience and function in the project management, quality assurance, machining, fabrication, assembly, testing and measurement of precision assemblies.	0	0	0	
Any proposed use of outside consultants to include their names, experiences and proposed function.	0	0	0	
Description of inspection facilities, equipment and personnel, and how these capabilities would be utilized on the contract.	0	0	0	
Employee qualification process.	0	0	0	
Document and records control processes.	0	0	0	
Design Process.	0	0	0	
Work processes and work process controls.	0	0	0	
Procurement process.	0	0	0	
Supplier and subcontractor control process.	0	0	0	
Inspection and test processes.	0	0	0	
Calibration process.	0	0	0	
Nonconformance Process.	0	0	0	
Description of achievements and commitment to quality such as ISO 9000 certification and/or company experience in Lean Manufacturing or Six Sigma	0	0	0	
The offeror must certify that the Quality Assurance Manager reports directly to company management and is independent of manufacturing managers.	0	0	0	
Technical Score Totals	0	2	2	Major stated that they chose not to submit documentation required by the evaluation criteria until their price and delivery schedule is accepted.
<u>Cost/Price Considerations:</u>				
Are the costs provided sufficiently complete so that the manner in which the total price was derived can be readily determined?	N	N	N	
In relation to the technical proposals, are the costs being proposed realistic?	Y	Y	N	
Are the costs and resulting price reasonable?	Y	Y	N	Walco's cost is unrealistic.
Technical Merit Rating per section 1.1 of Selection Plan	Marginal	Marginal	Marginal	
Proposal Risk Rating per section 1.2 of Selection Plan	High Risk	Low	Moderate	Major Tool cannot meet the LCLS schedule requirements. Walco did not deliver the LCLS Vacuum Chamber prototypes on schedule. Hi-Tech has performed very well on the LCLS Undulator Assembly contract.

Conclusion:

Based upon the above analysis, Hi-Tech has provided the best overall proposal.