

## 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
<b><u>Technical Criteria</u></b>				
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.	Not provided	Not provided	Not provided	Major Tool chose not to submit documentation required by the evaluation criteria until their price and delivery schedule is accepted
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.	Not provided	Not provided	Not provided	
Description of experience in the management of programs of similar size and complexity, and techniques that would be applied to the LCLS program	Not provided	Not provided	Not provided	
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. <b>NOTE</b> : 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.	Not provided	Not provided	Not provided	
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.	Not provided	Not provided	Not provided	
Subcontractors proposed to participate in the project, their names, tasks and capabilities.	Satisfactory	Satisfactory	Satisfactory	Hi-Tech proposal is acceptable if Metalex is their subcontractor.
Facility capacity in size, equipment and personnel demonstrating the capability to execute the contract.	Not provided	Not provided	Not provided	
Proof of timely schedules that the offeror met in completing and delivering the goods in previous similar contracts.	Not provided	Not provided	Not provided	

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The proposed schedule for the manufacture, assembly and factory testing of the devices; and shipping dates.	Unsatisfactory	Satisfactory	Satisfactory	Major Tool' proposal does not meet the LCLS Schedule requirements
Proposed packaging, mode of transportation, custom procedures, if applicable, and shipment notification procedures	Not provided	Not provided	Not provided	
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.	Not provided	Not provided	Not provided	
Any proposed use of outside consultants to include their names, experiences and proposed function.	Not provided	Not provided	Not provided	
Description of inspection facilities, equipment and personnel, and how these capabilities would be utilized on the contract.	Not provided	Not provided	Not provided	
Employee qualification process.	Not provided	Not provided	Not provided	
Document and records control processes.	Not provided	Not provided	Not provided	
Design Process.	Not provided	Not provided	Not provided	
Work processes and work process controls.	Not provided	Not provided	Not provided	
Procurement process.	Not provided	Not provided	Not provided	
Supplier and subcontractor control process.	Not provided	Not provided	Not provided	
Inspection and test processes.	Not provided	Not provided	Not provided	
Calibration process.	Not provided	Not provided	Not provided	
Nonconformance Process.	Not provided	Not provided	Not provided	
Description of achievements and commitment to quality such as ISO 9001 certification and/or company experience in Lean Manufacturing or Six Sigma	Not provided	Not provided	Not provided	
The offeror must certify that the Quality Assurance Manager reports directly to company management and is independent of manufacturing managers.	Not provided	Not provided	Not provided	
<b>Technical Merit Rating per section 1.1 of the Source Selection Plan</b>	Unsatisfactory	Marginal	Marginal	
<b><u>Cost/Price Considerations:</u></b>				
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	Walco's cost is unrealistic.
Are the costs and resulting price reasonable?	Y	Y	N	
<b>Proposal Risk per section 1.2 of the Selection Plan</b>	High	Moderate	Moderate	Major Tool cannot meet the LCLS schedule requirements
<b>Performance Risk per section 1.3 of the Selection Plan</b>	Low	Very Low	Moderate	Hi-Tech has performed very well on

Criterion	Major Tool	Hi-Tech Manf.	Walco Tool	Comments
				<p>the LCLS Undulator Assembly and Magnet Pole contracts. Major Tool has successfully provided fabricated hardware for the SNS Project. Walco did not deliver the LCLS Vacuum Chamber prototypes on schedule.</p>

**Conclusion:**

Based upon the above analysis, Hi-Tech is the best choice for meeting the contract requirements.

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