LIGO LABORATORY
California Institute of Technology
1200 E. California Blvd.
Pasadena, CA 91125

Statement of Work
Filter Cavity Mirror Polishing
C1900313-v1

1.0 Polishing Scope

The polisher must provide all facilities, tooling, services, materials and staff to take the existing fused silica blanks, provided by Caltech, and polish according to the polishing specifications and drawings. The polisher must provide inspection and certification data as called out in the polishing specifications. The contractor is not responsible for applying dielectric coatings.

2.0 Document Access

Many supplemental documents and specifications are incorporated into and made a part this Statement of Work. Click on the document links to access these documents from the LIGO Document Control Center (DCC) or go on line to the LIGO Public DCC at https://dcc.ligo.org/ to access the DCC#.

3.0 Commercial Terms and Applicable LIGO Specifications:

Note: The documents listed below are invoked for this Statement of Work and comprise additional requirements which are integral to this Statement of Work.

- LIGO-C080185-v2 LIGO Commercial Items or Services Contract General Provisions
- LIGO-Q0900001-v5 Advanced LIGO Supplier Quality Requirements

4.0 Quality System:

Referring to the above referenced LIGO Specification Q0900001, Suppliers should include a copy of their current ISO 9001, AS9100, or TS16949 certification in their bid package. Suppliers lacking current certification should send a copy of their Quality Manual with their bid package.

5.0 Parts/Assemblies to be manufactured, Quantity Required, and Inspection requirements:

Note: refer to Section 8.0 for delivery schedule and location

Part Description	Drawing #	Specification #	Material Supplied	Total Qty:
Filter Cavity Input Mirror	LIGO-D1900148-v1	LIGO-E1900148-v2	LIGO-D1900147-v1	4
Filter Cavity End Mirror	LIGO-D1900149-v1	LIGO-E1900149-v2	LIGO-D1900146-v1	4

6.0 Manufacturing:

6.1 Precedence:

The drawings typically represent the finished part as needed for use in service. There may be requirements on the drawing (such as coatings) which are specifically defined as not the responsibility of the supplier in this SOW. Suppliers should always contact a LIGO representative to resolve any discrepancies uncertainties in the documentation or instructions.

7.0 End Item Data Package:

Before delivery of the parts, the Supplier must provide all data items named in the polishing specifications, version noted in section 5.

8.0 Delivery Requirements:

8.1 Shipping Destination(s):

The deliveries are FOB at the Origin, i.e. Caltech has the responsibility for shipping title and control of goods until they are delivered and the transportation has been completed. Caltech selects the carrier and is responsible for the risk of transportation and for filing claims for loss or damage.

These items will be shipped to:

GariLynn Billingsley
California Institute of Technology (CIT)
LIGO Project MS 100-36
391 S. Holliston Ave.
Pasadena, CA 91125

8.2 Delivery Schedule:

The schedule priority is for delivery of the four Input Mirrors (FIM) by April 2020 followed within one month by delivery of the End Mirrors (FEM). All material is available immediately.

9.0 POINTS OF CONTACT

Technical POC: GariLynn Billingsley, 626-395-2184, Billingsley_G@ligo.caltech.edu
Contractual POC: Dolly Richards, 509-372-8141, drichard@caltech.edu
Invoice POC: Caltech Procurement Hotline, 626-395-8900, procurementhotline@caltech.edu