Request for Quotation (RFQ)

Procurement & Property Management Division

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managed by Brookhaven Science Associates
for the U.S. Department of Energy

www.bnl.gov

REQUEST FOR QUOTE (RFQ) NUMBER 479034 DESCRIPTION: DUNE FD-HD PCB Assembly Service	
Issued By: Brookhaven Science Associates, LLC Brookhaven National Laboratory P.O. Box 5000 Upton, NY 11973-5000	**Buyer/Contracts Specialist:** Name: Shaylyn Price Telephone No.: 631-344-2980 Email: sprice@bnl.gov
Ship To Address: Brookhaven National Laboratory Receiving: Bldg. 98 Rochester Street Upton, New York 11973-5000	**Anticipated Freight Terms:** FOB Destination, Freight Prepaid **Anticipated Period of Performance:** Base Period : Award date + 3 Months ***This requirement will include an optional phase. Should the optional phase be exercised the period of performance shall end 11 months from date of award. See Enclosure A for additional details.***
Questions Due Date: 16 July 2026	**Quote Due Date & Time: 24 July 2026**
Contract Type: Firm Fixed Price (FFP)	**Payment Terms:** TBD
*Brookhaven is a tax-exempt entity.	**Quote Validity:** Quotes shall remain valid for 90 days

1.0 INTRODUCTION

Brookhaven Science Associates, LLC (herein known as "BSA"), operator of Brookhaven National Laboratory (BNL) under a Prime Contract (DE-SC0012704) with the U.S. Department of Energy (DOE), herewith solicits your quote for the subject requirement for Deep Underground Neutrino Experiment (DUNE) Far Detector in Horizontal Drift Technology (FD-HD) Printed Circuit Board (PCB) Assembly Service as outlined in the Draft Contract 479034 (Enclosure A).

NAICS: The North American Industry Classification System (NAICS) Code for this RFQ is 334418 - Printed Circuit Assembly (Electronic Assembly) Manufacturing. The stated size standard is 750 employees. The stated size shall be the sole determining factor as to classification (small or large business) of an Offeror. It is the responsibility of the Offeror to affirm its Representations and Certifications and size status are accurate and up to date in the System for Award Management (SAM) (www.SAM.gov).

This procurement:

- Is being solicited for full and open competition.

2.0 SCOPE OF WORK

The Offeror shall assemble and deliver PCB assemblies for DUNE FD-HD in strict accordance with the attached Draft Contract 479034 (Enclosure A).

3.0 BASIS OF AWARD

BSA will make award to the responsive and responsible Offeror who submits the lowest total price and who meets all of BSA's technical requirements and RFQ Qualifiers, as stated herein. Total Price, including options, will be evaluated to determine the lowest price. The quote provided must include all necessary descriptive information to clearly demonstrate how the proposed service meets all requirements specified in this solicitation. BSA is not responsible for locating or securing any information that is not furnished with the offer.

The resultant award shall be subject to the terms & conditions of Enclosure A. The Offeror shall clearly note its acceptance in full. Any exceptions shall be noted by redlining the Draft Contract and Terms and Conditions document with "tracked changes" turned ON. The Offeror shall not construe any noted exceptions to be accepted by BSA.

An Offeror that takes exceptions to BSA terms & conditions or fails to provide all requirements of this RFQ may be deemed non-responsive and may not be considered for award.

3.1 QUALIFIERS:

3.1.1. Offeror shall have a minimum of 20 years working experience in the areas of complex PCB assemblies. The offeror shall provide reference documentation demonstrating 20 years or more of work experience in the areas of complex board assemblies.

3.1.2. Does the offeror have previous experience building cryogenic electronics assemblies with similar complexity (~50 different types of components with mix of surface mount and through hole technologies, ~1,500 components, certificate of compliance per IPC-A-610 class II, stringent handling procedure for ESD sensitive components) with reference to the assembly drawing package?

If YES, the offeror shall provide references for at least 3 successfully fabricated jobs with comparable complexity with key parameters listed below.

a. Board size
b. Number of different types of components
c. Number of components in surface mount technology
d. Number of components in through hole technology
e. Number of components mounted on board
f. Certificate of compliance per IPC-A-610 class II

g. Handling procedure for ESD sensitive components
h. Evidence of boards being used at cryogenic temperature (< 120 K)

The references shall include the name of the organization, contacts, phone numbers, and email addresses.

4.0 FORMS OF QUOTATION AND MANNER OF SUBMISSION

A complete quotation, including the signed Quotation Pricing Sheet (Enclosure C), must be received by BSA no later than the due date and time listed on page 1 of this RFQ. Any offer received after this time and date may not be considered. Quotations will be opened in private. Quotations, including their withdrawal or modification, received after the closing date shall be considered late. Such responses will only be considered for award if it is in BSA's best interest to do so.

BSA will only accept email submissions of formal quotations:

- Email submissions must include the signed Quotation Pricing Sheet (Enclosure C). Emails will be sent to Buyer/Contracts Specialist listed on page 1 of this RFQ with the BSA RFQ Number 479034 in the Subject Line.

All questions must be submitted via email. Replies to questions will be provided in writing and, if considered to be of general interest, will be transmitted to all other Offerors.

5.0 PRICING AND SUPPORTING DOCUMENTATION

5.1 Pricing Quotation and Supporting Documentation:

The Offeror shall complete and return the Quotation Pricing Sheet (Enclosure C) attached to this document. Prices shall be all inclusive and quoted in U.S. dollars, FOB, Brookhaven National Laboratory, Upton, Long Island, New York (freight included), including any import duties, customs, and associated costs, if applicable.

5.2 System For Award Management (SAM):

In order to support DOE reporting requirements, BSA requires all its vendors/contractors to be registered in the U.S. Government supplier database entitled System for Award Management (SAM) with their Unique Entity ID number (UEI #). Registration can be performed online at www.SAM.gov. If not already registered, please register as soon as possible since failure to do so may preclude BSA from doing business with your organization. Please note that there is no charge for SAM registration. When registering, you are strongly urged to copy and paste www.SAM.gov onto your browser address rather than utilizing your search engine. Utilizing your search engine may redirect you to an erroneous site. You may obtain assistance in completing your registration by contacting the Federal Help Desk at 866-606-8220 or by contacting your local APEX Accelerator Representative (formerly known as the Procurement Technical Assistance Center (PTAC), which can be found at https://napex.us.

* Foreign vendors are not required to be registered in SAM but must fill out AMS-Form-050 (Enclosure B).

5.3 Representations and Certifications:

AMS-Form-050 (Enclosure B) is only required for vendors that are not currently active and registered in SAM.gov. A current copy (less than 12 months prior to the date of solicitation) of Supplier Specific Representations & Certifications AMS-Form-050 (Enclosure B) must be on file with BSA's Procurement and Property Management (PPM) Division before a contract can be placed. The attached AMS-Form-050 (Enclosure B) has been included for informational purposes. At the time of award, the successful Offeror will be asked to complete AMS-Form-050 (Enclosure B) if it is not already on file.

6.0 FAIR LABOR STANDARDS

The anticipated awarded contract 479034 will be subject to U.S. Department of Labor Wage Determination No. 2015-4157, Revision No. 31 dated 03/30/2026. The Occupation Codes and corresponding rates established under the Service Contract Labor Standards (SCLS) hall apply for all positions proposed. However, Section 13(a)(l) of the FLSA provides an exemption from both minimum wage and overtime pay for employees employed as bona fide executive, administrative, or professional employees. Job titles do not determine exempt status. In order for an exemption to apply, an employee's specific job duties and salary must meet all the requirements of the Department's regulations. For additional information, visit the Wage and Hour Division Website: https://www.dol.gov/agencies/whd and/or call the toll-free information and helpline, available 8 a.m. to 5 p.m. in your time zone, 1-866-4USWAGE (1-866-487-9243). When state law differs from the federal FLSA, an employer must comply with the standard most protective to employees. Links to your state labor department can be found at www.dol.gov/agencies/whd/contact/local-offices.

7.0 SMALL BUSINESS SUBCONTRACTING PLAN

All Offerors certifying that they are other than a "small business or foreign business" and that they expect to submit an offer that will exceed $900,000 must submit a Small Business Subcontracting Plan for BSA's approval prior to contract award. Reference shall be made to FAR 52.219-9 before completing this subcontracting plan. Firms certifying that they are small or foreign businesses need not complete the plan.

The following BSA small business goals are provided as an example for this procurement. Any exceptions to this requirement shall be noted accordingly.

Small Business 50%
Small Disadvantaged Business 5%
Women-Owned Business 5%
Hub Zone 3%
Veteran-Owned Business 3%
Service Disabled Veteran-Owned Business 3%

8.0 OTHER REQUIRED FORMS AND DOCUMENTS

The successful Offeror will be required to complete the following forms (if applicable at time of award):

- Vendor ACH Authorization Form, Enclosure D.
- W-9 Form, Enclosure E.
- W-8 Form, Enclosure F, will need to be completed in lieu of the W-9 Form if Vendor is foreign.

9.0 CLOSURE

We trust that the information contained herein is sufficient to permit your company to prepare a complete and definitive quotation; however, should you have any questions, please contact the Contract Specialist, Shaylyn Price at sprice@bnl.gov.

Enclosures:	A. Draft Contract 479034
	B. AMS Form 050 Reps and Certs
	C. Quotation Pricing Sheet
	D. Vendor ACH Authorization Form
	E. W-9 Form (Domestic Vendors)
	F. W-8 Form (Foreign Vendors)