

Amendment 0002
Solicitation Number ONRBAA11-016
“Long Endurance Undersea Vehicle Propulsion”

The purpose of Amendment 0002 is to amend the BAA and respond to questions submitted prior to 21 APR 2011. Questions received after that 21 APR 2011 and before the deadline for submissions of questions will be addressed in a subsequent amendment.

BAA 11-016 is hereby amended as follows:

1. Questions and Answers are provided as follows:

1. Question:

Will there need to be a communications port on the hull for external communication (Phase 2)?

Answer:

There are no external communication port requirements on the energy hull section.

2. Question:

Under Phase 2 (page 10, BAA 11-016), how does the Navy recommend calculating the total probability of occurrence of two or more independent faults such that the probability is less than or equal to 1×10^{-6} ?

Answer:

The safety engineer performing the Preliminary Hazard Analysis should estimate the probability and provide the method or basis used to determine the probability.

3. Question:

Does BAA 11-016 have ITAR restrictions?

Answer:

Refer to Section III, Eligibility Information, pages 14 through 15 of ONR BAA 11-016.

4. Question:

Stepwise integration of the power profiles provided in BAA 11-016 yields a lower energy total than that specified for the Threshold (42kWh) and objective (68kWh). Is this correct? If so, what is the allocation for the remainder of the energy that is not part of the energy profile?

Answer:

Refer to Amendment 0001 to BAA ONR 11-016 published 20 April 2011.

5. Question:

Does ONR permit Saturday delivery? Specifically, can a hardcopy proposal submittal arrive on a Saturday and receive a confirming ONR signature of receipt?

Answer:

ONR accepts deliveries during normal business hours Monday through Friday. Saturday delivery is not an option.

6. Question:

Proposals shall describe the complete system concept. What does the “complete system concept” include? Is this simply the energy section included within the GFE hull section and the fore and aft end caps? What level of detail is expected for the interfaces to other hull sections?

Answer:

Refer to Section 6, pages 2-10 of BAA ONR 11-016.

7. Question:

Section 6 requires that a safety analysis be submitted for the proposal to be considered. Can you provide any specific guidance on the content and extent of that analysis or provide an acceptable example of such an analysis?

Answer:

Refer to Appendix B hyper-links page 31 item 2 MIL-STD-882D and item 3 DI-SAFT 80101B of ONR BAA 11-016.

8. Question:

To what level of detail should the Phase II ROM be provided? Can the Phase II description and ROM be provided as an attachment in a pdf file without having to complete the cost proposal spreadsheet?

Answer:

Refer to Section 6.2, page 3 of ONR BAA 11-016. The Phase II ROM cost estimate should be a high level break down by major Phase II tasks. The Phase II ROM is a cost estimate and does not require completion of a cost proposal spreadsheet at this time.

9. Question:

In the Phase 1 Objectives section, first bullet, it states “A matrix listing all test parameters and test conditions of component and full-scale testing should be provided in the proposal.” Is this statement misplaced, a typo or an actual proposal requirement?

Answer:

The proposal matrix requirement is expected to be a high level testing outline including applicable ranges of all key parameters of critical components to be tested.

10. Question:

When will the GFE/GFI for the energy section be provided; energy section hardware and interface documentation?

Answer:

Refer to Amendment 0001 to BAA ONR 11-016 published 20 April 2011.

11. Question:

Transient requirement - In line 4 of page 4 and the last line of page 9, transient is mentioned. Will ONR provide specific transient requirement?

Answer:

Refer to Figures 1 and 2, pages 5-6, and Appendix A, pages 29-30 of ONR BAA 11-016.

12. Question

Table 2 page 7, mentions "open systems will be considered". Will ONR provide a depth profile?

Answer:

Refer to Table 2, page 7 of ONR BAA 11-016.

13. Question

An aluminum, 21 inch, UUV Energy Section would typically have a clear opening at the joint band of about 18.5 inches in diameter. The clear opening at the ring stiffeners is about 18.9 inches in diameter. The inside diameter between ring stiffeners is about 20.5 inches in diameter. If one of the ingredients of an energy source is liquid, is the space beyond the 18.5 inches, available for liquid storage as long as neutral buoyancy is maintained?

Answer:

Yes, the space between the ribs is available for use by the energy section.

14. Question:

With a system energy density of 318 watt-hr/kilogram and 318 watt-hr/liter, every cubic centimeter of space and every gram of weight is precious. Is there an available hull drawing showing bulkheads, ring stiffeners and communications tube?

Answer:

Refer to Amendment 0001 to BAA ONR 11-016 published 20 April 2011.

15. Question:

What are the amounts of energy devoted to propulsion and to "hotel" load at each power level? Is the "hotel" load constant? Can the propulsion requirements be provided with mechanical energy as opposed to electrical energy?

Answer:

Energy section requirements are as specified in Figures 1 and 2, pages 5-6 and Appendix A, pages 29-30 of ONR BAA 11-016.

16. Question:

The mission power and energy profiles do not show the required 3 to 5 “Start-Stop Cycles”. What is the maximum time anticipated between stopping and restarting?

Answer:

Refer to Amendment 0001 to BAA ONR 11-016 published 20 April 2011.

17. Question:

During any stopping period, does the “hotel” load or propulsion require any power? If so, at what power level?

Answer:

Refer to Amendment 0001 to BAA ONR 11-016 published 20 April 2011.

18. Question:

We respectfully request that the text, figures, tables and graphics for sections III.1 (Tech Approach & Justification), III.2 (SOW), III.3 (Project Schedule and Milestones), III.4 (Management), III.5 (Personnel Qualifications) and III.7 (Relevant Experience) each be submitted as separate pdf attachments rather than inserting text into the template window and using attachments for the related figures, tables and graphics. Therefore, we would insert a directional cue "See Attachment X" in the template's text window directing the reviewers to the applicable attachment for each section. This will give the government precisely the number of requested pages for each single section (20, 5, 1, 5, 5 and 5 respectively) in a single location to avoid the need to alternate between the template and the attachments and, additionally, it will ensure that all responses adhere to the page limitations specified in the BAA. Please confirm that this is an acceptable and compliant approach.

Answer:

Refer to Section IV Application and Submission Information, pages 15-21 of ONR BAA 11-016.

19. Question:

The Technical and Cost Proposal Template has no provision for proposal front matter such as a Cover Letter/Page, Table of Contents and Executive Summary. We intend to submit these

items on printed pages inserted before Section I (General Information) of the template and, for the CD ROMs, to provide them in a separate electronic pdf. Please confirm that this is an acceptable and compliant approach.

Answer:

No, the template is intended to cover these items. Refer to Section IV Application and Submission Information, pages 15-21 of ONR BAA 11-016.

20. Question:

Additionally, we intend to limit each of the items (cover letter, table of contents and executive summary) to one page each and, as such, we assume that these pages will not count against the section page limitations. Please confirm.

Answer:

See answer 19 above.

21. Question:

The BAA is very vague regarding Budget Requirements. The ONR Template says to price Base and Options separately. The template also shows CY/GFY. The Template says nothing about Tasks/Subtasks. Can you please provide guidance as to how the budget needs to be broken out? Also please clarify whether FY means Government Fiscal Year or Offeror's Fiscal Year. Also, please clarify what is meant by CY - 2011, 2012, 2013 or Year 1, Year 2, etc.

Answer:

Refer to the worksheet entitled "General Information" located within the "Proposal Spreadsheet Template" as well as the "Notes" located within the "Total Effort" worksheet found at the following link, <http://www.onr.navy.mil/Contracts-Grants/submit-proposal/contracts-proposal/cost-proposal.aspx>.

Within the cost proposal spreadsheet, the offerors proposal needs to be proposed per the contractors Fiscal Year (FY) vice Government Fiscal Year (GFY). The proposal must indicate if the information is proposed by calendar year (CY) or in some other time period format.

22. Question:

Are subcontractors required to submit their proposals to the prime contractor in the ONR "Technical and Cost Proposal Template," or are they free to submit their proposal in any format that meets the needs of both the prime and the subcontractor (ensuring that the subcontractor uses the same SOW and WBS numbering/definitions in their proposal to the prime)?

Answer:

Refer to Section IV Application and Submission Information, page 19 of ONR BAA 11-016.

23. Question:

Section I(8): What is the definition of a "cost-type" contract that will be issued?

Answer:

We anticipate Cost Plus Fixed Fee (CPFF) or Cost Reimbursement as defined in the FAR under Part 16.306 and 16.302 respectively.

24. Question:

What type of fee structure will be allowed (i.e. fixed-fee, award-fee)?

Answer:

See answer 23 above.

25. Question:

When will Phase 2 proposals be requested from the Phase I awardees?

Answer:

Refer to Section 1(6.2), Phase I Option (6months), Deliverables, page 9 of ONR BAA 11-016.