

Designer Solicitations

Full Details

Institution	NC State University
Institution URL for Additional Information about this Project (Optional)	https://facilities.ofa.ncsu.edu/2023/12/designer-advertisement-nuclear-research-reactor-feasibility-study/
Project Name	Nuclear Research Reactor Feasibility Study
Type of Services	Architectural
Project Manager	Lisa Johnson
Phone Number	
Contact Email	lhjohns2@ncsu.edu
Closing Date	01/05/2024
Project Budget	\$ 3,000,000
Project Description	<p>One-Two Sentences</p> <p>NC State University is seeking proposals from qualified and experienced companies to manage a study to assess the feasibility of establishing (constructing and operating) an advanced nuclear research reactor. The purpose of this feasibility study is to assess the technical, financial, and operational aspects of establishing and operating the reactor, ensuring compliance with regulatory requirements and industry best practices.</p> <p>The study will involve the following key components which are named key areas (KAs):</p> <ol style="list-style-type: none">1. Site assessment and selection for an advanced research and test reactor i.e., the suitability of potential sites for such reactor.2. Environmental impact study and analysis.3. Nuclear and safety analyses of the reactor and determination of licensing requirements.4. Evaluations of engineering, construction factors, and building code requirements of the reactor and associated laboratories.5. Development of detailed cost estimates for the construction and operation of the reactor and associated laboratories.6. Evaluation of potential funding sources and financial models for the project.7. Utilization analysis.8. Assessment of capability development for advanced nuclear in the state.9. Vendor, fabricator, designer, and contractor evaluations.10. Identification of the potential for collaboration with industry, other academic institutions, and State and federal entities.

11. Identification of programmatic needs for associated laboratories and support spaces.

Current project authority is for planning only. The selected firm may be retained for design and construction at the university's option.

Submit Letters of Interest and Current SF-330 to:

(Contact Person, Name of Institution & Address)

Lisa Johnson
NC State University
lhjohns2@ncsu.edu

Please note that only electronic copies of the proposal, submitted via email to the project manager, are requested.

In order to offer architectural or engineering services in response to this solicitation, the proposer must be licensed in the State of North Carolina.