



## REQUEST FOR PROPOSAL (RFP) – INSTRUCTIONS

RFP 2019-644

### MCFR IET System 13/14 Tank Supports

TerraPower (referenced as the “Company” hereafter) requests your proposal in response to the following documents:

- Statement of Work (SOW) (draft)
- Specification (Spec) (draft)
- Quality Program Requirements (draft)
- Purchase Order Terms and Conditions, including Required Flowdowns

Proposal selection will focus on the bidder’s team capability to address all areas of the statement of work, specification, and supplier proposed schedule. This work is being done under a government contract requiring the bidder to comply with the terms and conditions above.

TerraPower LLC is currently developing a molten salt nuclear reactor technology. A key piece of this technology are the System 13/14 Tank Supports. The Supports shall hold the Salt Tanks in place for the Integrated Effects Test (IET). Supplier will perform the fabrication of the Tank Supports and delivery of the Support as outlined in the documents referenced above.

The successful bidder will enter into an agreement with the Company. The Company’s format is provided and contains the Company’s terms and conditions, including required flowdowns, and the requirements associated with workscope and pricing.

Further technical details regarding the process envisioned are attached via *Specification* - referenced in the *Statement of Work*.

Bidder is requested to provide firm, fixed pricing for the required scope of services.

### SCHEDULE

Date	Activity
November 26, 2019	Request for Proposal (RFP) Release in Bonfire. Statement of Work, Specifications, drawings and other documents will be available for download via TerraPower Accellion Workspace. <i>Suppliers will need to submit the Accellion Workspace Authorization Request Form. This form is available in Bonfire and needs to be submitted to the Contract Administrator. Please note that it may take 1-2 business days in order to get access to the Accellion Workspace.</i>
December 5, 2019	Pre-Proposal Meeting Interest E-mail Due by December 5, 2019, 12:00 PM PST. <i>Suppliers interested in attending the Pre-Proposal Meeting will need to e-mail Sandy Lee (<a href="mailto:slee@terrapower.com">slee@terrapower.com</a>) for the WebEx call in number.</i>
December 6, 2019	Pre-Proposal Meeting on December 6, 2019 at 10:00 AM PST via WebEx.



	<i>TerraPower's technical team will be available via WebEx to provide an overview of the project and answer any technical questions.</i>
December 13, 2019	Last Day for Bidder Questions.
December 17, 2019	Last Day for TerraPower to Provide Answers to Questions.
December 18, 2019	Proposals Due. Supplier proposal packages must be uploaded to Bonfire by December 18, 2019, 5:00 PM PST.
January 2020	Estimated Expected Award Date.

**COMPLIANCE WITH FEDERAL COOPERATIVE AGREEMENT**

This project is funded by a U.S. Department of Energy (DOE) Cooperative Agreement administered through Southern Company Services (SCS). Company will adhere to the regulations set forth in 2 Code of Federal Regulations (CFR) Part 200 (2CFR200). The selected Supplier shall comply with the requirements of 2CFR200 as applicable.

**PROPOSAL FORMAT**

Proposals shall be submitted in four volumes as shown below. Please provide all volumes as separate documents along with an executive summary (also separate, as an attachment to your submittal letter).

**Executive Summary**

Include as a minimum: brief statement of the major areas of focus, background information, concise analysis and recommendations.

**Volume I – Management & Operations**

Volume I (i.e., draft Project Plan) shall describe the management and other organization elements that would be in place to support work under the draft task order (e.g., engineering, document control, design/drafting). Include as a minimum:

1. Organization chart of the management, technical and support team applicable to the Statement of Work; include all sub-tier suppliers and locations/facilities.
2. Schedule, draft, summary/high-level.
3. Work Breakdown Structure (WBS), draft.
4. Task breakdown by week of expected engineering and fabrication resources.
5. Staffing plan for key individuals, Full-time-equivalent (FTE) personnel per month.
6. Staffing plan for non-key individuals (by classification), FTE per month.
7. Level of participation anticipated by the Company's technical personnel to support the draft SOW activities.
8. Resumes (2-page format) of the key management and support organization personnel (attachments).



## **Volume II – Technical**

Volume II shall address the technical aspects related to Supplier's approach envisioned to respond to the SOW. Include as a minimum:

1. Provide a redline version of the Statement of Work and Specification indicating adherence or exception to each and every requirement and deliverable.
2. The technical approach envisioned to perform the draft SOW; highlight any prior/relevant experience; key discussion points to be included:
  - a. Configuration proposed for the equipment design (e.g., mechanical, sub-elements, etc.).
  - b. The supplier's previous experience with the equipment and operating environment: e.g., plants, test facilities, issues encountered and resolution.
  - c. Experience with materials of construction; including experience in similar or previous projects.
3. Description of facility and equipment capabilities to be applied to the SOW activities.
4. Resumes (2-page format) of the key technical team (attachments); highlight relevant experience.
5. Requested changes, if any, to the draft Specification (attachment, markup/red-line).

## **Volume III – Quality**

Volume III shall describe the supplier's quality system as applicable to work under the SOW. Include, as a minimum:

1. Statement of Quality Standards and Codes to which the Tank Supports would be fabricated.
2. Certifications, as required
3. Quality Manual

## **Volume IV – Business & Contract**

Volume IV shall contain the pricing and business proposal to support the SOW. Company requests a firm-fixed price agreement. As such, Volume IV shall include the following:

1. Firm fixed price for activities stated in the Statement of Work and Specification.
2. Break out pricing for the optional activities/phases (if any).
3. Acceptance of TerraPower Purchase Order Terms and Conditions and Required Flowdowns.
4. List and describe any exceptions to the terms and conditions and provide, as an attachment, any changes (markup/redline) to the document required to address each exception for consideration.
5. Complete and return all Proposal Forms.

## **ALTERNATIVE APPROACHES**

Company will consider ideas and/or recommendations for alternative approaches that will improve the project/program in meeting its specified goals. Please provide your inputs as appropriate in a separate attachment. Note that Company will be under no obligation to choose an alternative approach; however, they will be reviewed.



**RESTRICTIONS**

Restrictions on end use of technology - if known, please inform Company of any government or other imposed conditions on the end use of the technology and final deployment of the fabricated equipment.

**EXPORT CONTROLLED INFORMATION**

All Export Controlled Information (ECI) shall be shared using Accellion workspace. Bonfire workspace cannot be used to share ECI.

**TERRAPOWER ACCELLION WORKSPACE**

Company will be sharing information and documents that are proprietary, confidential and/or contain Export Controlled Information through Company’s Accellion Workspace. In order to access these documents, Suppliers will need to submit the Accellion Workspace Authorization Request Form. This form is available on Bonfire and needs to be submitted to the Contract Administrator. Please note that it may take 1-2 business days in order to get access to the Accellion Workspace.

**QUESTIONS AND CONTACTS**

Please provide (separately) any questions or comments on the RFP package and the process used for selection as per the BonFire schedule. Any questions can be directed to:

Sandy Lee, Senior Buyer/Contract Administrator  
(425) 324-2698  
[slee@terrapower.com](mailto:slee@terrapower.com)

Autumn Brown, Procurement Manager  
(425) 324-2683  
[abrown@terrapower.com](mailto:abrown@terrapower.com)

**PROPOSAL SELECTION CRITERIA**

Bidder proposals will be reviewed for responsiveness to all elements of the RFP documents and Company plans to score proposals in accordance with the allocation shown in the table below. Company reserves the right to reject any or all proposals received, to make an award to other than the low cost proposal, to reject any proposal that is in any way incomplete or irregular, and to waive any informality or irregularity in any proposal received. Further, Company reserves the right in its discretion to modify its scoring allocation and selection process, and all determinations by Company will be final.

Category/item	Weight (max-points)
<b>General</b>	<b>Pass/Fail</b>
Responsiveness to RFP – Bidders must submit all proposal forms	
Document quality – references, support for claims	
On-time submittal	
<b>I - Management &amp; Operations</b>	<b>25</b>



Staffing, facilities/equipment, qualifications	
Management organization defined & adequate	
Technical staff defined and adequate	
Facilities and equipment capable of delivering the right product	
Plan and schedule	
Plan and schedule includes all deliverables and will meet end-goal	
Resource commitments identified and adequate	
<b>II – Technical</b>	<b>35</b>
Technical Approach	
Requirements understood & addressed	
Design/development approach is feasible	
Applicable technical experience highlighted in development approach	
Comments provided to Spec are substantive and supported	
Comments provided to SOW are substantive and supported	
<b>III – Quality</b>	<b>10</b>
Quality Program	
QA program responsiveness to SOW requirements	
<b>IV - Business &amp; Contract</b>	<b>30</b>
Pricing	
Costs and estimates are reasonable and supported	
Allocation between elements is supported	
Contract - acceptance of terms and conditions	
<b>TOTAL</b>	<b>100</b>

## DOCUMENTS AVAILABLE FOR DOWNLOAD

Ref. #	Document Number	Document Name	Revision	Release Date to Suppliers
	<b>Documents Available in Bonfire:</b>			
1	N/A	Proposal Instructions		Available
2	N/A	Accellion Workspace Authorization Request Form		Available
3	N/A	Submittals User Guide for SDS Forms	5	Available
4	TP-PRC-FORM-0005	Supplier Data Submittal (SDS) Form	9	Available
5	N/A	Supplier Guide for SCR Forms		Available
6	TP-PRC-FORM-0006	Supplier Coordination Request (SCR) Form	4	Available
	<b>Documents Available in Accellion:</b>			
1	N/A	Attachment 1--Statement of Work (SOW)		Available
2	N/A	Attachment 2--Quality Program Requirements		Available
3	SDS-001368	MCFR IET Construction Specification SP-3270-00-EG-0001 Section 05 12 00	0	Available



<b>Ref. #</b>	<b>Document Number</b>	<b>Document Name</b>	<b>Revision</b>	<b>Release Date to Suppliers</b>
4	SDS-001085	GCAW D-4066 Coolant Salt Drain Tank 13-TK-1000	5	Available
5	SDS-001093	GCAW D-4067 Flush Salt Drain Tank 13-TK-1100	5	Available
7	SDS-001097	GCAW D-4065 Flush Salt Drain Tank 14-TK-1200	5	Available
9	SDS-001385	System 13/14 Tank Support Frame Assemblies DWG-3270-13-ST-0001 DWG-3270-14-ST-0001	0	Available



**REQUEST FOR PROPOSAL FORM 1**

**PROPOSAL PRICE OFFER**

***(Submit this form via Accellion)***

After careful review of all RFP documents and drawings, the Proposer shall furnish all services, labor, materials and equipment to complete the work as specified for the price below. Provide a firm fixed price.

**Proposer shall submit pricing details on separate sheets of paper and attach all sheets to this form.**

MCFR IET System 13/14 Tank Supports – Firm Fixed Price	
<p>System 13/14 Tank Supports, includes but not limited to the following (see SOW and Specifications for details):</p> <ul style="list-style-type: none"> <li>• Project Planning</li> <li>• Project Controls &amp; Reporting</li> <li>• Design</li> <li>• Analysis</li> <li>• Verification</li> <li>• Manufacturing Processing &amp; Inspections</li> <li>• Delivery of the equipment</li> </ul>	\$
<p>Shipping and delivery of the equipment – <b>FOB Destination</b> to the following address:</p> <p>TerraPower, LLC – Seaway Center            3315 Seaway Blvd, 36 Avenue W            Everett, WA 98203</p>	\$

**Terms and Conditions**

Do you accept TerraPower Purchase Order Terms and Conditions?       Yes    No

If No, list and describe any exceptions as an attachment with markup/redlines to the document for consideration. The Company will be under no obligation to accept the exceptions; however, they will be reviewed.



**Payment Terms**

Indicate payment terms below or attach on separate sheets of paper:


**Proposer or Authorized Representative:**

Signed this \_\_\_\_\_ day of \_\_\_\_\_ 2019

Company Name \_\_\_\_\_

Print Name & Title \_\_\_\_\_

Signature \_\_\_\_\_





**REQUEST FOR PROPOSAL FORM 2**

**PROPOSER INFORMATION AND SIGNATURE**

*(Submit this form via Accellion)*

<b>Date:</b>	
<b>Principal Contact Person:</b>	
<b>Title:</b>	
<b>Telephone Number:</b>	
<b>E-Mail Address:</b>	
<b>Firm's Legal Name:</b>	
<b>Firm's Address:</b>	
<b>State of Incorporation and Date Established:</b>	

**Check all that apply:**

Firm's address is the following:  Main Office  Branch Office  Other: \_\_\_\_\_

Corporate structure:  Corporation  Partnership  Joint Venture  Sole Proprietorship  
 Other: \_\_\_\_\_

<b>Business Classification (check all that apply)</b>	<b>Federal Certified</b>	<b>State Certified</b>	<b>Self Certified</b>
Small Business (SB) (including ANC and Indian Tribes)			
Small Disadvantaged Business (SDB)			
Woman Owned Small Business (WOB)			
HUBZone Small Business (HUB)			
Veteran-Owned Small Business			
Service-Disabled Veteran-Owned Small Business			

Has your company been suspended or debarred from doing business with the U.S. Government?

Yes  No



Is your company registered in the System for Award Management (SAM)?  Yes  No

**Complete the following:**

<b>Former Firm Name (if any):</b>	
<b>Parent Company Name:</b>	
<b>Parent Company Address:</b>	
<b>Washington State Contractor Registration Number:</b>	
<b>Washington State Unified Business Identifier Number:</b>	
<b>Employment Security Department Number:</b>	
<b>Federal Tax Identification Number:</b>	
<b>DUNS Number:</b>	
<b>NAICS Code and Size Standard:</b>	

**Certification**

The Bidder certifies that, to the best of his/her knowledge, the information presented in this Request for Quote is a statement of facts and that the firm has the financial capability to perform the work. The Bidder further certifies that it knows of no personal and/or organizational conflict of interest prohibited under federal, state and local law.

I certify/declare under penalty of perjury under the laws of the State of Washington that the foregoing is true and correct.

\_\_\_\_\_  
Signature

\_\_\_\_\_  
Name

\_\_\_\_\_  
Title

\_\_\_\_\_  
Date

\_\_\_\_\_  
City and State