



Oregon State University

Request for Proposals (RFP) 2021-003847 Subsea Power Cable Manufacture, Delivery, and Installation: PacWave South

RFP #2021-003847

ADDENDUM NO. 2

ISSUE DATE: October 23, 2020

CONTRACT ADMINISTRATOR:

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This Addendum is hereby issued to inform you of the following revisions and or clarifications to the above-referenced RFP and/or the Contract Documents for the Project, to the extent they have been modified herein. Any conflict or inconsistency between this Addendum and the Solicitation Document or any previous addenda will be resolved in favor of this Addendum. Proposals shall conform to this Addendum. Unless specifically changed by this Addendum, all other requirements, terms and conditions of the Solicitation Document and or Contract Documents, and any previous addenda, remain unchanged and can be modified only in writing by OSU. The following changes are hereby made:

QUESTIONS:

Item 1:

- a. **Q: Can Marine Contractors become prime or have Joint ventures with cable manufacturers?**

A: Yes. OSU does not have a preferred structure for teams submitting proposals in response to this RFP, so long as the company submitting the proposal has the authority to bind all contractual obligations with OSU, as a result of any contract award from this RFP.

- b. **Q: Will this Power Point presentation be shared?**

A: Yes, the presentation is posted with this addendum #2. Answers to any additional incoming questions will be answered in batches as addenda to the RFP up to the date of final addendum issue as listed in Section 1.2 'Schedule of Events.' All information is shared through the addendum process as described in

the RFP.

c. Q: Is there a preferred Marine Contractors list for this contract?

A: No. All responsive proposals received will be scored based on the criteria specified in the RFP.

d. Q: Is this project fully funded now, or are there more approvals still needed?

A: Construction is fully funded at a best-estimate budget. Large cost overruns will jeopardize the project. We have a top-line budget that has been approved and covers all aspects of project construction. Cable procurement and installation is a significant component of this budget. Obtaining additional construction funding is unlikely.

e. Q: Do you have all you state & federal permits for this marine install (USACE, Or. DEQ etc)?

A: All state permits have been approved. We expect to have all federal authorizations (FERC license and BOEM lease) by the end of November 2020.

f. Q: Are the vendor expected to perform Dynamic Analysis to confirm the performance on the umbilical under wave/current loading? To provide as part of the tendering package? [sic]

A: The 'semi-dynamic' section of subsea export cables covered in this RFP will not rise in the water column once WECs are deployed. Dynamic risers/umbilicals connecting the export cable to the WEC are the responsibility of WEC developers and not within the scope of supply in the present RFP. The dry mate connector and offshore end of the export cable covered by this RFP will need to be raised to the surface during the mate/demate operation. Cable dynamic requirements during mate/demate operations are defined in the RFP documents.

g. Q: Will a list of those participating on the presentation be made available?

A: Contact information (excluding those who do not wish to have their information shared) for participants attending this non-mandatory pre-proposal conference, held on October 21, 2020, is posted along with addendum #2 to the RFP at <https://bid.oregonstate.edu/>. A list of past attendees of the previous non mandatory informational webinar "open house" session held on August, 13, 2020 is posted to the project website at www.pacwaveenergy.org.

h. Q: What is the best way for a sub-contractor to get involved?

A: Prospective sub-contractors are encouraged to seek out opportunities to partner as a team with a proposing firm or prime contractor as part of a proposing team. OSU will give full evaluation and scoring consideration to all responsive proposals meeting the RFP requirements regardless of the composition of the team proposed. PacWave has not specified a preferred entity or contract team arrangement. The best assemblies of teams will be the most competitive. Interested sub-contractors are encouraged to check the list of attendees and contact information for potential opportunities to partner with proposing firms.

i. Q: Is the route pre-clearance grapple requirement a permit condition?

A: No, but a pre-clearance grapple run or other clearance procedures will be required to remove cable/chain that has been noted from prior magnetometer survey. Please refer to the route engineering and survey data packages in Attachment A of the RFP.

j. Q: As the cables are laid to the offshore device area, you noted that a dry mate will be required for

connections to the devices. Does the contractor need to recover an umbilical from the subsea device(s) in order to make this dry mate connection then lay down the final bight to the sea floor?

A: No, there will be no devices in the field when these cables are installed. Cable ends with dry mate connector half and quadrant assembly are to be laid on the seabed on the completion of cable system acceptance testing, concluding the present scope of work. Once construction is complete and WEC systems are deployed, these connector assemblies will be recovered from the seabed for mating to the WEC cable systems. Please note that WEC connection operations will be performed under separate contract and work scope and is not part of the present RFP.

k. Q: In the ppt {PowerPoint Presentation} it was mentioned that someone else would cover specific details of the dry mate connector requirements?

A: Details of the dry mate connector requirements are in Attachment A of the RFP.

l. Q: Will contractors perform environmental monitoring?

A: No, all environmental monitoring is PacWave responsibility.

m. Q: Does the project fall under the Jones-Act mileage requirement beyond 3 miles off-shore?

A: OSU is reviewing this question and will respond in a future addendum.

n. Q: Is the vendor expected to assess fatigue cycle damage on the semi dynamic section of the static umbilical which it will experience during the mating process whilst on the topside vessel?

A: Yes, the specification documents define the number of and level of cycles. Contractors' proposal should include cable and cable testing specifications suitable to meet these requirements in accordance with IEC 63026 and Cigre Electra 623. Details are provided in the RFP.

o. Q: Is the quadrant frame for the connection of the dry mate connectors part of the vendor's scope of supply?

A: Yes. Also note requirement for offshore sea ground incorporated into offshore quadrant.

p. Q: The 6 hour mating time; does that apply for the mating on deck or does it include the time from the vessel is on site, export cable with connector on deck, mating with device connector and lower back to the seabed. i.e. total vessel time on site.

A: The 6-hour mating period applies to time on deck only. Also note this is a preference rather than a hard requirement. The goal is to complete the entire cycle in a single day of vessel operation if possible.

q. Q: If the Jones Act does apply will the main lay vessel need to be US flagged then as it relates to dropping off spares etc?

A: OSU is reviewing this question and will respond in a future addendum.

r. Q: In order to assess risk in our cost proposal it is important to understand the monitoring plans. If an operation is stopped due to OSU's monitoring plan, will that be considered a OSU caused delay?

A: Please see section 5.2 of RFP. The permits recognize that when cable lay operations commence, they must continue until the process is complete. There are no permit requirements that will require a shutdown. If there are some marine mammal migrations happening, there is an "avoid to the maximum

extent practicable” requirement. Any damage/default delays will be addressed in the contract.

- s. **Q: Was a constructability memo submitted to regulators with the Permit Applications that outlines the scope and methodology?**

A: Details of this RFP were not submitted to the regulatory agencies. We have maximum flexibility for scope and installation. Permitting documents define a general route boundary and easements for cable routes. It is not clear if FERC will need to review final design plans. The project team will seek to clarify this. The project will need to submit final as-built.

- t. **Q: When do you expect to release the draft contract doc?**

A: OSU anticipates publishing the sample contract by addendum on or before October 30, 2020. Proposing contractors will have an opportunity to review the sample contract and its terms before submitting a proposal and should add comments as part of the proposal submission. All comments and proposed edits to the terms of the sample contract must be submitted with the proposal, see Section 7.5 ‘Contract Award’ subsection b for details.

- u. **Q: Will contract award proceed if BOEM leasing and federal permitting is not in place?**

A: We do not anticipate any significant delays with the BOEM lease. The intent is to move forward with the contract for this award. OSU will provide more details, if they become available, before November 5, 2020. Seasonality/weather windows could also delay the project. Given the long lead time for cable, we do not intend to stop procurement even in the event of installation delay.

REFERENCE/SUPPLEMENATAL MATERIALS:

Item 2:

Add the non-mandatory Pre-Proposal Conference Attendee List as a separate PDF file.

Item 3:

Add the non-mandatory Pre-Proposal Conference PowerPoint Presentation as a separate file.

END OF ADDENDUM NO. 2