

SPECIFICATION OF TECHNICAL REQUIREMENTS FOR CONTRACTING ASSISTANCE IN DEVELOPING AN OPEN SOURCE TSUNAMI DRIVEN INUNDATION FORECAST SYSTEM FOR TONGA AND SAMOA

1. TECHNICAL CHARACTERISTICS.

The Fundación Leonardo Torres Quevedo of the University of Cantabria, a non-profit organisation, has been contracted by the Pacific Community ("SPC") under Project FJ-SPC-157811-CS-QC BS, Pacific Resilience Program (P 147839) and requires assistance in developing an open source tsunami driven inundation forecast system for Tonga and Samoa.

The following characteristics will be assessed:

- 1) Developing an open-source tsunami driven inundation forecast system using the metamodel approach.
- 2) Preparing Technical and training material.
- 3) Facilitate the integration of forecasting products to the Samoa and Tonga CliDesc portals.
- 4) Assisting with deployment of ocean observation buoys.

2. TRANSPORTATION AND INSTALLATION.

- The economic offer must include all the costs derived from the acquisition, including VAT, transport and assembly of the equipment (if necessary).

- If necessary, preparation of a guide and training enough to complete the installation in the workplace, previous the tuning and checking of proper functioning.

3. TRAINING.

Training course to be taught at least in four sessions in person or online, with a minimum duration of 3 hours per session, on a date to be determined by the FLTQ.

4. MAINTENANCE.

Maintenance for 2 years, including displacement and labour and parts and any other expense to be covered by the manufacturer.

5. AWARD CRITERIA.

The tenderer will be selected according to the score obtained, between 0 and 100 points, according to the following criteria:

- Technical aspects: 90 points.

1. Previous experience in similar projects: 20 points.

2. Being able to develop an operational forecasting system with a high-resolution tsunami forecasting system: 30 points.

3. Being able to assist on the assemble and training of ocean buoys deployment: 20 points

4. Being able to implement the information on the CLiDesc portal for Samoa and Tonga: 20 points.

- Economic proposal: 10 points.

6. EXECUTION PERIOD.

15 months from the date of award of the contest.

7. PAYMENT MODE.

In consideration for the performance of the project, the FLTQ undertakes to pay the bidder the corresponding amount, which will be effective in accordance with the following conditions:

- 20 % at the end of Month 1
- 20% at the end of Month 4
- 20% at the end of Month 7
- 20% at the end of Month 10
- 20% at the end of the work – Month 15 – and after the delivery of the System and Final Report