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Departamento Federal de Asuntos Económicos DFAE
Secretaría de Estado para Asuntos Económicos SECO



SUPERINTENDENCIA
DE BANCA, SEGUROS Y AFP

República del Perú

Invitation to Public Tender

AGREEMENT BETWEEN THE GOVERNMENT OF PERU AND THE SWISS FEDERAL COUNCIL RELATED TO THE SECOND PHASE OF THE SBS MASTER PLAN PROGRAM FOR INSTITUTIONAL STRENGTHENING

Project: Contracting Services for an Investigation and Development of Technical Bases for the Estimation of Insurance Losses which cover Rain and Flood Risks in Peru

<p>Objective</p>	<p>The main objective of this consultancy is to carry out a study for the estimation of insurance losses that cover the risks of rains and floods in Peru, in order to evaluate the impact of these types of catastrophic events on the country's insurance market.</p> <p>The specific objectives to be achieved by this consultancy are the following:</p> <ul style="list-style-type: none"> ✓ Evaluate levels of flood hazard caused by rains in Peru. ✓ Embed a database of pluvial precipitation (rain) scenarios, with the capacity to reproduce the annual cycle of rainfalls in the country and analyse the development of extreme precipitation events. ✓ Develop hydrological and hydraulic probabilistic simulation models to estimate flood risk, based on rainfall information. ✓ Create hazard maps that allow calculation of vulnerability to the rainfall-runoff relationship in the areas studied. ✓ Identify the quantity and quality of available public information related to rainfall (rains), floods and landslides. ✓ Design a methodology tailored to the Peruvian reality for calculation of catastrophic losses caused by flood risk.
<p>Organizing Entity</p>	<p>Superintendencia de Banca, Seguros y Administradoras Privadas de Fondos de Pensiones del Perú (SBS)</p>



<p>Tasks, deliverables and deadlines</p>	<p>2.4 Activities</p> <p>2.4.1 Verify the quality of the insurers' databases: This study must be carried out with the databases of local insurance companies, as of December 2021. Consistency of those databases must be verified in advance in order to guarantee an accurate estimation by the Consultant. If inconsistencies that affect the quality of the results are found, the consultant will coordinate with the SBS and insurance companies to determine how these inconsistencies can be remedied to improve the quality of the data.</p> <p>2.4.2 Assessment of the hazard arising from rains and floods through probabilistic analysis: In order to build a probabilistic model capable of estimating rain and flood risks, previous studies related to these risks must be compiled.</p> <p>2.4.3. Calculate structural and non-structural vulnerability of buildings due to rains and floods: An analysis of the parameters that describe buildings' structural and non-structural characteristics for purposes of determining their vulnerability to rains and floods should be carried out. This activity includes the development of a model for calculating the vulnerability of buildings against rains and floods.</p> <p>2.4.4. Determine the average damage ratio of buildings affected by rains and floods: A calculation model for the estimation of the average damage ratio of buildings against rains and floods must be developed.</p> <p>2.4.5. Calculate losses due to rains and floods: This calculation must be made at the country level considering the risk metrics for catastrophic events such as Annual Average Loss or AAL, Loss at Risk or LaR and Estimated Loss in the Tail or ETL by each insurance company as well as for the insurance market at the aggregate level, taking into account sums insured and deductibles of the corresponding insurance policies.</p> <p>The loss calculation should be carried out using two methodologies: per loss event and accumulation of losses. The database containing the location of each insured risks will be provided by the SBS.</p> <p>2.4.6. Develop the technical bases for the estimation of losses due to rains and floods: The final activity to be carried out by the Consultant is the development of the technical bases for the estimation of losses for rain and flood insurance in Peru. This should contain all the material studied, compiled and calculated in the previous activities of the consultancy. A report with all the activities related to the development of the technical bases that justify the guidelines regarding the estimation of losses due to rains and floods must be included. Information in regard to rain and flood maps, developed modelling and any database generated as an input for the modelling must be part of the deliverables submitted to the SBS by digital media.</p>
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2.5. Consulting specifications

2.5.1. Duration: The consultancy will have a maximum duration of four hundred and fifty (450) calendar days, counted from the day after the contractor confirms the absence of inconsistencies in the quality of information in the databases provided by local insurance companies in respect of buildings and goods insured against rain and flood risks at the national level as of December 31, 2021. The databases will be sent by means of digital media by the Department of Reinsurance Supervision (DSR) of the Deputy Superintendency of Insurance (SAS) to the consultant. For this purpose, the contractor will have a maximum period of fifteen (15) calendar days upon receiving the databases to make a confirmation regarding their quality. If inconsistencies are found, a period of thirty (30) calendar days will be allowed to correct them.

2.5.2. Place of work: The consultancy will be carried out from the Consultants chosen place of residence in Peru. Likewise, internet, video and teleconferences, or other technological means may be used to maintain permanent communication.

2.5.3. Methodology: The development and methodology of the consultancy will be based on permanent accompaniment in two modalities:

- Virtual: the SBS and the Consultant will be available to review documents, attend to queries or requirements related to the development of the consultancy.
- Face-to-face: The SBS and the Consultant will be available to arrange and participate in meetings

2.5.4. Deliverables

The Consultant will deliver the results of the calculation of losses due to rains and floods at the national level, for each insurance company, as well as for the insurance market as a whole, cataloguing the rain and flood events used for such calculations and the vulnerability functions (or equivalent) for each type of proposed building structure. For this purpose, deliverables of this consultancy are indicated below, which must be prepared considering the activities described in points 4.1 to 4.6 above and must be presented by digital means.



	Product	Substance
	Deliverable N° 1	<p>A report verifying the quality of the databases delivered by the insurers. Any observations made and inconsistencies identified in relation to the databases must be documented and detailed in the report.</p> <p>Delivery term: Sixty (60) calendar days, to be counted from the day following the signing of the contract.</p>
	Deliverable N° 2	<p>A report on the hazards arising from rains and floods and the development of a probabilistic model capable of estimating rain and flood risks. This report must include previous studies related to these risks.</p> <p>Delivery term: One hundred and fifty (150) calendar days, to be counted from the day following the approval of the first deliverable.</p>
	Deliverable N° 3	<p>A report on the structural and non-structural vulnerability of buildings against rains and floods.</p> <p>Delivery term: ninety (90) calendar days, to be counted from the day following the approval of the second deliverable</p>
	Deliverable N° 4	<p>A final Report, which must include remaining deliverables, calculation of losses and the technical bases to estimate insurance losses that cover the risks of rains and floods in Peru.</p> <p>Delivery period: sixty (60) calendar days, to be counted from the day following the approval of the third deliverable</p>
Monitoring and report	<p>The Deputy Superintendence of Insurance (SAS) will be responsible for supervising and monitoring the development of this consultancy, as well as giving the corresponding confirmation or making the relevant observations to each of the deliverables presented by the company in charge of the consultancy.</p>	
Start date / Duration of execution	<p>The maximum term for the completion of the deliverables is 450 days. The execution of the consultancy will start from the day following the date of signing of the contract.</p>	



Maximum Budget	US\$ 250,000.00 (two hundred and fifty thousand and 00/100 US dollars). This amount includes all costs related to the execution of the contract and all applicable taxes.
Consulting staff	The consulting staff must be made up of at least two (2) engineering professionals.
Evaluation criteria and weights	<p>A maximum score of up to 100 points will be assigned to the technical proposal and a ranking of proposals will be established from highest to lowest technical score; then the economic proposal will be opened and if it contains an economic offer equal to or less than the budgeted value, it will be declared the winner.</p> <p>The technical evaluation will be in charge of a Tender Committee who will evaluate the experience of the bidder and the equipment proposed for the provision of the service. The criteria to be evaluated are the following</p> <p>Bidder's experience</p> <p>The consultant must have been operating for a minimum of 10 (ten) years. It must also submit a list of at two (2) consulting services or insurance loss estimation studies it has carried out during the last 7 (seven) years, indicating the name of the contract, the beneficiary entity, the contract amount, date of execution and the telephone number and other information of the contact person in the beneficiary entity.</p> <p>Additionally, the consultant must submit a list of other studies or services provided for amounts greater than US\$50,000 (fifty thousand and 00/100 US dollars) in the last 10 (ten) years, indicating the name of the study or service, beneficiary entity, contract amount and date of execution.</p> <p>Staff proposed for the service delivery: the professional profile and years of experience of the proposed staff will be evaluated.</p> <p>The experience of the proposed staff will be accredited by submitting a simple copy of records or certificates regarding work carried out, degrees and professional designations earned, as well as a simple copy of contracts and their corresponding approval or any other documentation that irrefutably demonstrates the experience of the proposed staff.</p> <p>All documents must contain information about the employer, start and end date of the job or contract period, job functions or position and other information that allow the corresponding verification, otherwise the proposal will not be admitted.</p>



<p>Documented request</p>	<p>The consulting firm must submit the following within its proposal:</p> <ul style="list-style-type: none"> • Technical proposal • Economic proposal • Forms 																												
<p>Schedule</p>	<table border="1"> <thead> <tr> <th data-bbox="470 622 528 651">No.</th> <th data-bbox="528 622 1043 651">Activities</th> <th data-bbox="1043 622 1353 651">Date</th> </tr> </thead> <tbody> <tr> <td data-bbox="470 651 528 680">1</td> <td data-bbox="528 651 1043 680">Announcement</td> <td data-bbox="1043 651 1353 680">July 25t, 2022</td> </tr> <tr> <td data-bbox="470 680 528 741">2</td> <td data-bbox="528 680 1043 741">Register of bidders Send request to coopint@sbs.gob.pe</td> <td data-bbox="1043 680 1353 741">From July 25.,2022 to August 10, 2022</td> </tr> <tr> <td data-bbox="470 741 528 808">3</td> <td data-bbox="528 741 1043 808">Formulation of queries and observations to the bases. Send inquiries to coopint@sbs.gob.pe</td> <td data-bbox="1043 741 1353 808">From July 26, 2022 to August 4, 2022</td> </tr> <tr> <td data-bbox="470 808 528 837">4</td> <td data-bbox="528 808 1043 837">Release of queries</td> <td data-bbox="1043 808 1353 837">August 9, 2022</td> </tr> <tr> <td data-bbox="470 837 528 866">5</td> <td data-bbox="528 837 1043 866">Query integration</td> <td data-bbox="1043 837 1353 866">August 10, 2022</td> </tr> <tr> <td data-bbox="470 866 528 934">6</td> <td data-bbox="528 866 1043 934">Electronic submission of proposals. Send proposals to coopint@sbs.gob.pe</td> <td data-bbox="1043 866 1353 934">Until August 25, 2022</td> </tr> <tr> <td data-bbox="470 934 528 1001">7</td> <td data-bbox="528 934 1043 1001">Qualification and evaluation of proposals</td> <td data-bbox="1043 934 1353 1001">From August 25, 2022 to September 2, 2022</td> </tr> <tr> <td data-bbox="470 1001 528 1030">8</td> <td data-bbox="528 1001 1043 1030">Proposal award</td> <td data-bbox="1043 1001 1353 1030">After No Objection SECO</td> </tr> </tbody> </table>		No.	Activities	Date	1	Announcement	July 25t, 2022	2	Register of bidders Send request to coopint@sbs.gob.pe	From July 25.,2022 to August 10, 2022	3	Formulation of queries and observations to the bases. Send inquiries to coopint@sbs.gob.pe	From July 26, 2022 to August 4, 2022	4	Release of queries	August 9, 2022	5	Query integration	August 10, 2022	6	Electronic submission of proposals. Send proposals to coopint@sbs.gob.pe	Until August 25, 2022	7	Qualification and evaluation of proposals	From August 25, 2022 to September 2, 2022	8	Proposal award	After No Objection SECO
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<p>About the Tender</p>	<p>The Superintendency of Banking, Insurance and Private Pension Fund Administrators of Peru (SBS) invites bidders to participate in this International Public Tender called within the framework of the financial support received from the Swiss State Secretariat for Economic Affairs (SECO) through the Agreement signed between the Government of the Republic of Peru and the Swiss Federal Council regarding the Second Phase of the Master Plan SBS Institutional Strengthening Program, signed on December 16, 2020.</p> <p>The tender will be carried out in accordance with the procedures established in the aforementioned Agreement and will be conducted by the Public Bidding Committee LPI No. 002-2021-SBS/SECO. The bases can be requested, prior registration at the email address coopint@sbs.gob.pe</p>																												