

[Pre-Bid Notice]

1) Item for Bid:

Technical Consultation on Design Verification of Seismic Analysis Models considering Soil-Structure Interaction Effects for Major Structures of Non-standard Nuclear Power Plants

2) Type: Selective Competitive Tendering, Contract through Negotiations

3) ITB No.: ITB22-KCN-02

4) Submission Due Date: August 25, 2022 (09:00 a.m. KST)

5) Estimated Value(Budget): 130,000 USD

6) Expected Completion Date: 2023.03.31

7) General Scope of Services

The objectives of this technical consultation service are to provide the following services for the seismic analysis models considering Soil-Structure Interaction (SSI) effects for major structures of non-standard Nuclear Power Plants (NPPs) based on relevant regulatory and design requirements:

- Design verification on two major buildings of Wolsong NPP Units, 2,3 & 4
- Design verification on one major building of Kori NPP Units, 3,4
- Design verification on one major building of Hanul NPP Units, 1,2

8) Qualification (eligibility) for Bid:

- Bidder's experiences of the similar projects to the seismic analysis considering coherent Soil-Structure Interaction (SSI) effects for CANDU Nuclear Power Plant (NPP) facilities based on Canadian regulations
- Bidder's experiences of the similar projects to the seismic analysis considering coherent SSI effects for light water NPP facilities based on U.S. NRC regulations
- Bidder's experiences of the similar projects to the seismic analysis considering incoherent SSI effects for NPP facilities based on NPP regulations
- Bidder's experiences of the similar projects to the design verification or peer review of SSI seismic analysis for NPP facilities based on NPP regulations
- Bidder's experiences in licensing or licensing support for seismic analysis considering SSI effects for nuclear power plant facilities based on NPP regulations

9) Contact Point : **Contract Dept., KEPCO E&C, Inc.**

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