

[Bid Notice]

- 1) Item for Bid: Technical Support for APR1000 Standard Design
- 2) Type: Limited Competitive Tendering, Contract through Negotiations
- 3) ITB No.: ITB20-KCN-06-02
- 4) Submission Due Date: December 17th, 2020 (09:00 a.m. KST)
- 5) Budget: € 1,000,000
- 6) Expected Completion Date: Contract Signing ~2023.12.31.
- 7) General Scope of Services

Task1. Load Following Operation

Task2. Low Temperature Overpressure Protection Design

Task3. Mid-loop Operation

Task4. Redundancy of Pressurizer Spray

Task5. Inclined Surge Line

Task6. Practical Elimination of ATWS

Task7. Practical Elimination of Early or Large Radioactive Releases

Task8. Design for DEC Without Core Melt

Task9. Verification of Structure Design Based on European Code

Task10. Design to Withstand Rare and Severe External Hazards

Task11. Application of IEC 61660-1 for Calculation of Short Circuit Current for DC System

Task12. Application of Equipment Qualification Methods Based on EUR Rev.E

Task13. PSA Methodology to Comply with EUR

Task14. EIA Methodology for EUR Rev.E

- 8) Qualification (eligibility) for Bid:

The contractor shall implement an individual or/and personnel of team with the required experience and skills to be able to carry out the work described above, and the required experience and skills are as follows:

- EUR Organization Members
- Design Experience on Nuclear Power Plants
- Participating Companies in developing EUR Rev.E

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

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