

[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-06-01
- 4) Submission Due Date: December 2nd, 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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