

Technology Evaluation Criteria

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

1. Evaluation factors and Score

Company:

Evaluator:

No	Evaluation Factors	Contents	Score	Details	Evaluation Weight
1	Experience with similar projects (30)	Experience with similar projects	5	- Experiences of the similar projects to the seismic analysis considering coherent Soil-Structure Interaction (SSI) effects for light water Nuclear Power Plant (NPP) facilities based on U.S. NRC regulations	- 5 or more performances : 100% - 4 performances: 90% - 3 performances: 80% - 2 performances: 70% - 1 performance: 60%
			5	- Experiences of the similar projects to the seismic analysis considering coherent SSI effects for CANDU NPP facilities based on Canadian regulations	- 5 or more performances : 100% - 4 performances: 90% - 3 performances: 80% - 2 performances: 70% - 1 performance: 60%
			10	- Experiences of the similar projects to the seismic analysis considering incoherent SSI effects for NPP facilities based on NPP regulations	- 5 or more performances : 100% - 4 performances: 90% - 3 performances: 80% - 2 performances: 70% - 1 performance: 60%
			5	- Experiences of the similar projects to the design verification or peer review of SSI seismic analysis for NPP facilities based on NPP regulations	- 5 or more performances : 100% - 4 performances: 90% - 3 performances: 80% - 2 performances: 70% - 1 performance: 60%
		Experience with licensing or licensing supports	5	- Experiences in licensing or licensing support for seismic analysis considering SSI effects for nuclear power plant facilities based on NPP regulations	- 5 or more performances : 100% - 4 performances: 90% - 3 performances: 80%

					<div>- 2 performances: 70%</div> <div>- 1 performance: 60%</div>
2	Methodology of Performing Project (20)	Comprehension for the Project and guarantee of the Quality	10	- Comprehension for Planned Project	<div>- Excellent: 100%</div> <div>- Good: 80%</div>
			10	- Guarantee of the Output Quality	<div>- Average: 60%</div> <div>- Poor: 40%</div>
3	Project Action Plan (20)	Adequacy between technical service and Project objective, and Management of Man Power	10	- Consistency between Output and Project Target	<div>- Excellent: 100%</div> <div>- Good: 80%</div>
			10	- Management of Man Power	<div>- Average: 60%</div> <div>Poor: 40%</div>
4	Available Technical Personnel (30)	Similar Work Experience	10	- Expert Specialty of Worker	<div>- Excellent: 100%</div> <div>- Good: 80%</div> <div>- Average: 60%</div> <div>- Poor: 40%</div>
			10	- Similar Work Experience of Manpower	
			10	- Participation of engineer(s) who are proficient in Korean and have a technical background in seismic analysis considering SSI effects	
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2. Score

Each score is determined by multiplying the weight factors.

3. Total

Each evaluator should assess subjectively but assess from an objective standpoint. Total score is determined by three evaluators. The evaluation team leader is not an evaluator and is responsible for overall command and supervision. A company with a technical score of 85% or more is considered to be qualified bidder for negotiation.