

PROCESS EVALUATION**JGS 210-120-1-08E**

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1. SCOPE

This standard covers the procedures for the process evaluation of licensed processes related to various projects including petroleum refineries, petrochemical plants, gas plants and similar plants.

This technical evaluation is intended to select, from a technical viewpoint, the most suitable licensor for a project.

2. WORK PROCEDURE

The process evaluation of licensed processes should be executed by the following work procedure.

2.1 INQUIRY

Inquiry shall be conducted to obtain technical information from candidate licensors in accordance with the procedures described herein.

2.1.1 Selection of Candidate Licensors

The licensors who meet the following requirements shall be selected for technical evaluation.

It is recommended that three to five licensors are selected to facilitate efficient and effective evaluation.

- (1) Licensor of client's preference
- (2) Availability of commercially proven process
- (3) Ability to issue documents according to project master schedule

2.1.2 Contact with Licensors

The following points shall be informed and confirmed to each of licensors and each licensor's intention as to whether he will participate in an inquiry shall be confirmed.

- (1) Introduction of project
- (2) Scope of work
- (3) Coordination procedure between licensor and JGC
- (4) Issue schedule of proposal
- (5) The necessity of secrecy agreement between client and licensor

2.1.3 Technical Contents to be Included in Inquiry

The technical items described below shall be contained in the inquiry.

- (1) Scope of work
- (2) Project Master Schedule
- (3) Design Basis

For the contents, refer to BDM No. JGS 210-120-1-10E. This design basis shall be approved by the client prior to issue to such licensors.

- (4) Utility condition

2.2 TECHNICAL PROPOSAL

The contents to be specified in a technical proposal are as shown below:

2.2.1 Commercial Experience

Information such as client's name, unit capacity and date of construction of the plants constructed within the recent ten years.

2.2.2 Process Conditions

- (1) Process flow diagram and process description
- (2) Product yields and properties
- (3) Operating conditions