

Revision of operation guideline on Quality and Cost Based Selection for public works projects under direct control of Ministry of Land, Infrastructure, Transport and Tourism

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1. Introduction

Application rate of the Quality and Cost Based Selection (QCBS) for public works projects under direct control of Ministry of Land, Infrastructure, Transport and Tourism is approximately 100%. On the other hand, there remain unsolved issues such as increasing burden on both competitive bidders and owners related to technical proposals and reviews, and deviations from policies of utilization of technical skills of private sectors or quality assurance. Therefore, QCBS has been improved at the end of fiscal year 2011.

Full-scale application of QCBS based on the improvement suggestion (hereinafter called “New Method”) is scheduled from fiscal year 2013 after a trial run at the Regional Development Bureaus (including HOKKAIDO and OKINAWA) in 2012 fiscal year. For the purpose of appropriate application of this New Method, Research Center for Land and Construction Management has revised the operation guideline in this year, which is described in the following sections.

2. Structure and outline of operation guideline

(1) Structure

This operation guideline is mainly composed of 3 parts: 1) Background of introduction and improvement of QCBS, 2) Implementation procedures of New Method, and 3) Outline of trial method related to QCBS. The structural outline is shown in the following table.

Table: Features of the operation guideline structure

Three pillars	Structural feature (Chapter)
(1) Background of introduction and improvement of QCBS	1. Background of introduction and improvement of the QCBS
(2) Implementation procedures of New method	2. Implementation procedures of QCBS
	3. Method of QCBS
	4. Public announcement of results of QCBS 5. Assurance of evaluation results of QCBS
(3) Outline of trial method related to QCBS	6. Trial run of QCBS

(2) Outline

1) Background of introduction and improvement of QCBS

Principle of improvements in this revision and a remedial approach to address such cases as bid-rigging in Kochi Prefecture are described in Chapter 1.

Polarization of the concept of QCBS into two types, which is the core of the improvement policy, is shown in the figure below.

A Case of Utilizing Results

Current practice					
Simplified type	Standard type		Advanced Technical Proposal Type		
	Type II	Type I	Type III	Type II	Type I

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Polarization					
Evaluate construction capability		Require technical proposal in addition to construction capability			
Construction capability evaluation type		Technical proposal evaluation type			
Type II	Type I	Type S	Type AIII	Type A II	Type A I

Polarization of QCBS type

2) Implementation procedures of New Method

In Chapter 2, basic procedures for “Construction capability evaluation type” and “Technical proposal evaluation type” are described, including procedural flows taking account of the stepwise selection method (trial run) and schedules for interviews with site engineers, classification of qualification requirements of participating bidders and items of QCBS, and also the evaluation method of technical proposals for technical proposal evaluation type A. Basic concept of calculation for evaluation values or technical evaluation points, public announcement method for evaluation and bidding results, and citation in special specification document to require execution of items in technical proposals are described in Chapter 3, Chapter 4, and Chapter 5.

3) Outline of trial run method related to QCBS

Basic concept of methods such as “Stepwise selection method” implemented at the trial run stage is described in Chapter 6.

[References/Website Information]

For details, please refer to the following URL at Construction Management Division’s homepage.

<http://www.nilim.go.jp/lab/peg/index.htm>