

修士学位論文要旨

我が国の建設産業の発展と専門家集団の機能に関する研究

A Study of The Function of Consulting Engineers and it's Developumet in Japanese Construction Industry

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1. 研究の背景と目的

現在, 我が国の建設産業は大きな変革期にある. 特に公共工事コスト縮減策の実施により厳しい財政難に陥っており, 工事の品質の低下が懸念されている. 我が国の建設産業は, 戦後復興から急激な社会基盤の整備を行ってきた. その中で, 採算性や効率性を考えると発注者と受注者の二者構造で進めてきたのだが, 現在の建設業界の情勢を考えると, 二者構造では, 採算性, 効率性, 産業構造の変化, 国民の要求に対応できなくなってきたと考えられる. 本研究では, 我が国の建設コンサルタントの実態を調査し, 三者構造執行形態の一角を担う専門家集団の必要性を明確にし, 専門技術者集団を担う人材を見出すことにより, 三者構造執行形態のシステムを構築するための提言をすることを目的とする.

2. 研究方法

まず, 我が国の建設産業の抱える問題点について, 既存の研究を用いて整理を行う. 原因要因と考えられる「経過の管理の欠如」「契約意識の欠如」「透明性の欠如」を踏まえ, 国際市場の執行形態と我が国の執行形態の比較を行い, 三者構造執行形態に必要な建設コンサルタントの役割について国際市場との比較調査を行う.

調査結果を基に, ①過去の発表建設政策の分析(発注者・建設産業の定義・第三者・契約概念)を行い, 定量化する. ②技術士の資格取得数から技術者レベル, 人材分布を調査③アンケートにより, 契約に対する知識, バックグラウンドの実態調査を行う.

以上の結果を踏まえ, 三者構造執行形態のシステム構築するために必要なものを模索する.

3. 研究結果

1. 建設コンサルタントの実態調査・資格に関する調査

- (1) 建設コンサルタントの実態調査・資格調査結果より，我が国の建設コンサルタントでは第三者を担うことは，困難である．
- (2) プロジェクトマネジメントに関する意識が低い．

2. 建設政策の分析結果

- (1) 建設産業全体から問題を捉えていない．
- (2) 第三者の必要性に関して，近年関心が向上しているが，建設産業の実態から対策を考慮されていない．
- (3) 契約に対する意識が希薄である．

3. アンケート調査結果

- (1) 契約に対する知識に対して，発注者・受注者・コンサルタント自ら低いと理解している．
- (2) マネジメントに関する教育環境が乏しい．
- (3) 第三者として担える人材は乏しい．

4. 結論

我が国の建設産業は，新たな産業体質の確立を目標に掲げているが，実態は未だバブル経済破綻の後遺症に喘ぎ，改革の方向すら定まらぬ状況にあり，建設産業に対する国民の信頼はますます低下している状況である．これを解決する方策が，第三者構造執行形態である．しかし現状は，我が国の建設産業には，専門技術者集団を担う人材，機関は乏しいと考えられる．早急に第三者構造執行形態を導入するにあたり，その具体的方策を以下に提言する．

- ① **建設産業・官・建設コンサルタント・教育機関の4機関の人材還流による専門技術者集団形成**
- ② **専門技術者集団を育成するプラットフォームを教育機関中心で形成**
- ③ **建設関連技術士として契約概念を取り入れる．**
- ④ **国際化に対応した建設コンサルタントの役割**

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1. Background and purpose of research

The construction industry of our country is in a big revolution period now. Especially, it falls into a severe financial difficulty by executing the public construction cost reduction plan, and the decrease in the quality of construction is feared. The construction industry of our country has maintained a rapid social infrastructure from the come-back story after World War II. It is thought that it is not possible to correspond to the demand of the change in the profit, efficiency, and the industrial establishment and the people by two person structure when thinking about the situation of a present construction industry though it has advanced by purchaser and order person's two person structures when thinking about the profit and efficiency in that. In this research, it aims to propose it by investigating the actual condition of the construction consultant in our country, clarifying the necessity of the specialist group that bears the corner in three person structural execution form, and finding talent who bears the professional skill person group to construct the system in three person structural execution form.

2. Method of research

First of all, it arranges it by using an existing research about the problem that the construction industry of our country holds. The execution forms of the execution form of an international market and our country are compared based on "Lack of the management of passage", "Lack of the contract consideration", and "Lack of the transparency" thought to be a cause factor, and the comparison investigation of the role of a necessary construction consultant for three person structural execution form with an international market is done.

The announcement construction policy, that is, ① the past is analyzed based on the investigation result (definition, third party, and contract concept of the purchaser and the construction industry), and it quantifies it. ② Knowledge to the contract and do the investigation of actual conditions of the background from the number of qualification acquisition of technological people by investigation ③ ..the engineer level and the talent distribution.. questionnaire.

It gropes for the one necessary to construct the system in three person structural execution form based on the above-mentioned result.

3. Research result

1. Investigation concerning construction consultant's investigation of actual conditions and qualification

- (1) It is difficult to bear the third party from construction consultant's investigation of actual conditions and qualification investigation result in the construction consultant in our country.
- (2) Consideration concerning the project management is low.

2. Analysis result of construction policy

- (1) The problem is not caught from constructing industry-wide.
- (2) Measures are not considered from the realities of the construction industry though the concern has improved for the necessity of the third party in recent years.
- (3) Consideration to the contract is thin.

3. Questionnaire survey result

- (1) It is understood to knowledge to the contract it is low the purchaser, those who receive an order, and ..consultant.. voluntarily.
- (2) The educational environment concerning management is scarce.
- (3) Talent who can bear it as a third party is scarce.

4. Conclusion

The realities are in the situation in which it pants, and even the direction of the reform is not decided to the sequelae of the bubble economy failure yet though hang out the construction industry of our country aiming at the establishment of a new industrial constitution, and the people's trust of the construction industry is a situation that has decreased more and more. The strategy that solves this is a third party structure execution form. However, the current state is thought by the construction industry of our country that talent and the organization that bears the professional skill person group are scarce of it. When the third party structure execution form is immediately introduced, it proposes the concrete strategy as follows.

- ① Professional skill person group formation by talent return current of four organizations of construction construction industry,, and consultant and educational institution
- ② The platform where the professional skill person group is promoted is formed with the educational institution center.
- ③ The contract concept is taken as a technological related to construction person.
- ④ Construction consultant's role corresponding to internationalization