

AN INFORMATION NETWORKING SYSTEM
ON CONSTRUCTORS' PERFORMANCE
(ABSTRACT)

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AN INFORMATION NETWORKING SYSTEM ON CONSTRUCTORS' PERFORMANCE

by

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In government infrastructure agencies and in private entities, sound procedures for prequalification, bid evaluation and contract award depend on a good constructors' performance evaluation system (CPES).

The Construction Industry Authority of the Philippines' (CIAP) Philippine Domestic Construction Board (PDCB) started development work on CPES in 1991. The efforts have been unsuccessful due to the following problems:

1. the system attempted to set up a centralized database for numerous data on constructors' performance from various infrastructure agencies;
2. inadequate resources (staff, equipment, funds) to support the development work; and
3. resistance from infrastructure agencies to install another separate monitoring system for CIAP's CPES.

In retrospect, these difficulties arose from taking on too large a task with inadequate resources and an inappropriate methodology.

To break the six year impasse, the approach undertaken in this Action Plan and Project (APP) involved the following:

1. redefinition of CIAP's PDCB role from "*designer and supervisor*" of all infrastructure agencies' monitoring systems to one of "*catalyzer*" toward setting up an organized monitoring system in the agencies;

2. generation of data using the existing databases of infrastructure agencies with established monitoring systems;
3. review and documentation of the good/sound monitoring systems and incorporating these features into a model consolidated report on constructors' performance;
4. determination of constructors' performance indicators based on existing status reports and interfaced with the established CPES criteria necessary for the development of a uniform coding scheme; and
5. preparation and dissemination of the model consolidated report to selected government tendering agencies on a pilot-test basis.

To validate the usefulness of the model consolidated report and to recommend improvements in the implementability of the network system, a workshop was conducted involving representatives of project management/monitoring offices of infrastructure agencies as information sources; technical working groups of the agencies' Prequalification, Bids and Awards Committees (PBACs) and Philippine Contractors Accreditation Board/Inter-Agency Committee (PCAB/IAC) as primary information users; and representatives from constructors' groups.

In order to come up with an appropriate strategy for establishing an information networking system on constructors' performance that will be responsive to the information needs of the construction industry, in general, this report recommends that:

1. CIAP' PDCB continue to catalyze the establishment of computer-based monitoring systems in the infrastructure agencies and continue its bid to contribute in ensuring the efficient implementation of quality infrastructure projects.
2. the government tendering agencies adopt the model consolidated report entitled "*Consolidated Status Report on Constructors' Performance in Ongoing and Completed Public Infrastructure Projects*," which has been observed to be useful in the following ways:

- PBAC offices - serves as a validation tool in assessing and evaluating the contractors' performance for purposes of prequalification; hastens the prequalification, bid and award process as it provides a ready reference in the verification activities of PBACs and a firmer basis for prequalification decisions;
 - PCAB - serves as basis in preparing the master list of constructors for simplified public bidding; improves and enhances the existing function of IAC in the classification and registration of constructors; and aides in the formulation of policies and guidelines for accrediting licensed constructors;
 - CIAP - serves as basis for developing an incentive/award system for constructors involved in public construction projects; and serves as basis for developing policies, programs and projects, interventions, strategies, and an overall framework plan for quality improvement in the construction industry.
3. the project management/monitoring units of infrastructure agencies adopt the Uniform Coding Scheme on constructors' performance indicators and other contract implementation problems. The coding scheme, as a communication tool, leads to a uniform interpretation of the data/comments and improves the current system of monitoring the constructors' project performance. The introduction of the uniform coding scheme to the agencies can also lessen "no comment" reports.
4. the construction industry, specifically the information sources, processor and users, adopt the Information Networking System Model as guide toward the full implementation of the system.

To expand the coverage of the network system, these recommendations may also be considered for adoption/adaptation by other government and private entities that undertake infrastructure projects and want to improve their monitoring systems.

**AN INFORMATION NETWORKING SYSTEM ON
CONSTRUCTORS' PERFORMANCE**

**AN ACTION PLAN AND PROJECT (APP)
PRESENTED TO THE
FACULTY
OF THE
MASTER IN PUBLIC MANAGEMENT
DEVELOPMENT ACADEMY OF THE PHILIPPINES**

**IN PARTIAL FULFILLMENT OF THE REQUIREMENTS
FOR THE DEGREE
MASTER IN PUBLIC MANAGEMENT**

THESES & DISSERTATIONS

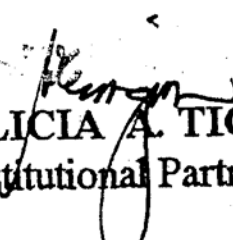
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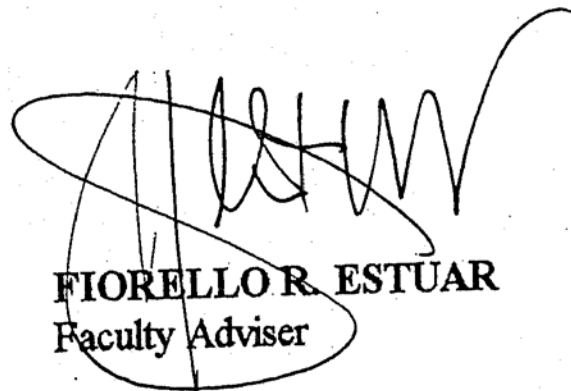
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This Action Plan and Project (APP) entitled " An Information Networking System on Constructors' Performance" of Ms. Leilani D.L. Del Prado has been reviewed and is recommended for defense.

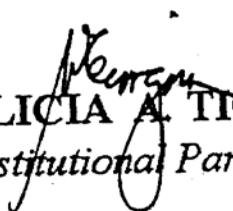

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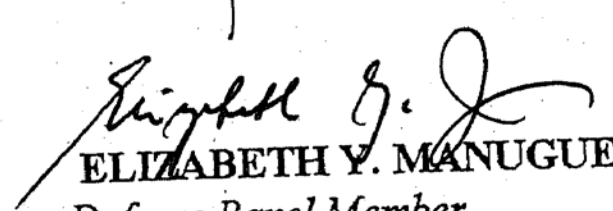
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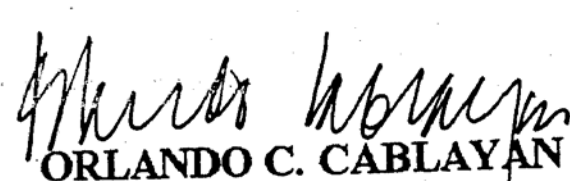
This Action Plan and Project (APP) entitled "Information Networking System on Constructor's Performance" of Ms. Leilani D. L. Del Prado has been successfully defended on April 28, 1997 with a rating of 3.44 - Very Satisfactory


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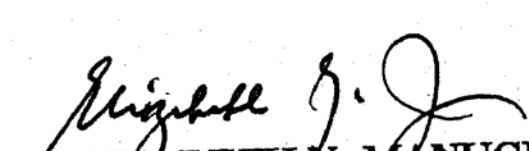

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LIST OF ABBREVIATIONS

Agencies/Institutions

- CCPAP - Coordinating Council of the Philippine Assistance Program
- CIAC - Construction Industry Arbitration Commission
- CIAP - Construction Industry Authority of the Philippines
- DOLE - Department of Labor and Employment
- DOTC - Department of Transportation and Communications
- DPWH - Department of Public Works and Highways
- DTI - Department of Trade and Industry
- IAC - Inter-Agency Committee
- ICC - Infrastructure Computer Center
- IU - Implementing Unit
- LWUA - Local Water Utilities Administration
- MWSS - Metropolitan Waterworks and Sewerage System
- NEDA - National Economic and Development Authority
- NHA - National Housing Authority
- NIA - National Irrigation Administration
- NPC - National Power Corporation
- PBAC - Prequalification, Bids and Awards Committee
- PCAB - Philippine Contractors Accreditation Board
- PDCB - Philippine Domestic Construction Board
- PET - Project Evaluation Team
- PEZA - Philippine Economic Zone Authority
- PMAG - Project Monitoring and Assistance Group
- PMO - Project Management Office
- POCB - Philippine Overseas Construction Board

- PPA - Philippine Ports Authority
- PTA - Philippine Tourism Authority
- RID - Research and Information Division

Terms

- APP - Action Plan and Project
- CPES - Constructors' Performance Evaluation System
- CIDP - Construction Industry Development Plan
- EO - Executive Order
- FA - Faculty Adviser
- IP - Institutional Partner
- IRR - Implementing Rules and Regulations
- LOI - Letter of Intent
- ODA - Official Development Assistance
- PD - Presidential Decree

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