

ANNEX IV LIST OF PHILIPPINE COUNTERPART AND ADMINISTRATIVE PERSONNEL

1. Chairperson: Undersecretary for Planning and Technical Services of DPWH (As of November 2006, Mr. Manuel M. Bonoan)
2. Project Manager: Assistant Director for BRS (As of November 2006, Ms. Judy Sese)
3. Deputy Project Manager: Chief of Development Planning Division, PS (As of November 2006, Ms. Rebecca T. Garsuta)
4. Coordinator: Officer-In-Charge, Section Chief, Infrastructure Planning Research and Statistics Division, PS (As of November 2006, Mr. Carlos P. Zamora)  
Coordinator will be responsible for ensuring proper coordination among Philippine authorities including counterparts and JICA experts on any matters pertaining to the implementation of the Project.

5. Counterparts Personnel

Regional Project Manager shall take on the overall responsibility of implementing project activities at the regional level and ensure proper coordination with the Central Office and other Regional Offices.

1) Central Office

1)-a Staff, Research and Development Division, BRS (As of November 2006, Ms. Nenita Valencia)

1)-b Staff, Development Planning Division, PS (As of November 2006, Mr. Emmanuel A. Adriano)

2) CAR

2)-a Regional Project Manager: Officer-In-Charge, Chief of Maintenance Division (As of November 2006, Mr. Leo A. Alhambra)

2)-b Staff (As of November 2006, Ms. Rene M. Manipon)

2)-c Staff, Maintenance Division (As of November 2006, Mr. Jay Jenner B. Biales)

3) Region VII

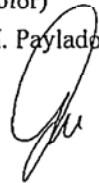
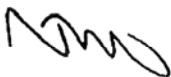
3)-a Regional Project Manager: Assistant Regional Director (As of November 2006, Ms. Gloria R. Dindin)

3)-b Chief of Construction Division (As of November 2006, Ms. Buenaventurada C. Pajo)

3)-c Officer-In-Charge, Chief of Materials Quality and Hydrology Division (As of November 2006, Mr. Vicente R. Valle, Jr.)

3)-d Staff, Maintenance Division (As of November 2006, Mr. Cresencio T. Bagolor)

3)-e Staff, Planning and Design Division (As of November 2006, Mr. Nonato M. Paylado)



4) Region XI

4)-a Regional Project Manager: Officer-In-Charge, Chief of Maintenance Division (As of November 2006, Ms. Rowena P. Jamito)

4)-b Officer-In-Charge, Chief of Materials Quality and Hydrology Division (As of November 2006, Ms. Aurora M. Lacasondili)

4)-c Staff, Maintenance Division (As of November 2006, Mr. Alvin C. Cabuenas)

6. Supporting Staff at Central Office and 3 Regional Offices

1) Administrative staff

2) Secretaries

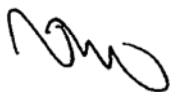
3) Drivers



ANNEX V

LIST OF LAND, BUILDINGS AND FACILITIES

1. Office space and facilities necessary for JICA Experts at Central and 3 Regional Offices of DPWH.
2. Electricity, telephone line and water supply for office space.
3. Land, buildings and necessary facilities for the Project activities.
4. Equipment, machinery and materials necessary for the Project activities other than JICA provides.
5. Other facilities mutually agreed upon as necessary.



## ANNEX VI

### JOINT COORDINATING COMMITTEE

#### 1. Function

The Joint Coordinating Committee will meet at least once a year and whenever the necessity arises, in order to fulfill the following functions;

- 1) To discuss and approve the annual work plan of the Project based on the approved annual budget in line with the Plan of Operations formed under the framework of the Record of Discussion;
- 2) To review the overall progress and annual expenditure of the Project as well as the achievement of the annual work plan mentioned above; and
- 3) To review and exchange views on major issues arising from or in connection with the Project.

#### 2. Chairperson and Members

- 1) Chairperson: Undersecretary for Planning and Technical Services of DPWH
- 2) Member of the Philippine side
  - Assistant Secretary for Planning of DPWH
  - Director, PS
  - Director, BRS
  - Director, BOC (Bureau of Construction)
  - Director, BOM (Bureau of Maintenance)
  - Regional Director, CAR
  - Regional Director, Region VII
  - Regional Director, Region XI
  - Assistant Director, BRS (Project Manager)
  - Chief, Development Planning Division, PS (Deputy Project Manager)
  - Representative, National Economic and Development Authority
  - Personnel concerned to be decided by the Philippine side
- 3) Member of the Japanese side
  - JICA experts assigned to the Project
  - Resident Representative of JICA Philippines Office
  - Personnel concerned to be decided by the Japanese side

#### Notes:

- 1) Official of the Embassy of Japan may attend the meetings as observer.
- 2) Persons who are invited by the Chairperson may attend the meeting as observers.



**Project Design Matrix (PDM)**

**Project Name:** The Project for Improvement of Quality Management for Highway and Bridge Construction and Maintenance in the Philippines  
**Duration:** February 2007 – February 2010 (3 years) **Target Area:** 3 Regional Offices in DPWH (CAR, Region VI and Region XI)  
**Project Implementation Agency:** Department of Public Works and Highways, and Regional Offices (CAR, Region VII and Region XI)  
**Target Group:** Engineers in the 3 Regional Offices and Selected District Engineering Offices in DPWH

Narrative Summary	Objectively Verifiable Indicators	Means of Verification	Important Assumptions
<p><b>Overall Goal</b></p> <p>Capability of engineers in the DPWH and Regional Offices in the quality management for road and bridge construction and maintenance is improved</p>	<p>1. Knowledge and skills of engineers in the Regional Offices and District Engineering Offices are enhanced                      (Over 50% of DPWH engineers participate to the technical training and over 80% of the training participants pass the post training examination)</p> <p>2. Establishment of the training system in the Region Offices and District Engineering Offices by the key personnel using the technical manuals</p>	<p>1-1 Interview and examination to the engineers</p> <p>1-2 Revised Quality Assurance Inspection Report</p> <p>2 Record of trainings</p>	
<p><b>Project Purpose</b></p> <p>Capability of engineers in the selected 3 Regional Offices (Baguio in CAR, Cebu in Region VII and Davao in Region XI) and district engineering offices in the quality management for road and bridge construction and maintenance is improved through application of issues technical manuals</p>	<p>1. Knowledge and skills of engineers in the selected 3 Regional Offices are enhanced                      (Number of 3 Regional Offices' engineers (total number of permanent engineers in 3 Regional Offices is 663) participate the technical training and over 80% of the training participants pass the post training examination)</p> <p>2. Number of good practices reported by engineers at the regional technical conferences</p> <p>3. Establishment of the training system in the 3 selected Regional Offices by the key personnel using the technical manuals</p> <p>4. Period from inspection/evaluation of defects to completion of repair and number of defects repaired</p>	<p>1-1 Interview and examination to the engineers</p> <p>1-2 Revised Quality Assurance Inspection Report</p> <p>2 Record of conferences</p> <p>3 Record of trainings</p> <p>4 Record of survey</p>	<p>1. The budget for the activities is allocated. (Preparation of OJT to the other Regional Offices by DPWH Central Office. Revision and distribution of manuals to the other Regional Offices)</p> <p>2. Philippine government policy on road and bridge sector remains consistent.</p>
<p><b>Outputs</b></p> <p>1. Capability of engineers who participated training program is enhanced.</p> <p>2. DPWH technical manuals for construction supervision and road &amp; bridge maintenance are prepared</p>	<p>(Counterpart)</p> <p>1-1 Knowledge and skills of trainers are enhanced. (Other engineers)</p> <p>1-2 Knowledge and skills of trainees are enhanced. (Over 80% of the training participants pass the post training examination)</p> <p>2-1 Completion of the development of manuals</p> <p>2-2 Establishment of the revised system of the manuals</p>	<p>(Counterpart)</p> <p>1-1-1 Report of the training programs</p> <p>1-1-2 Pre -, mid - and post - examination (Other engineers)</p> <p>1-2-1 Monitoring of training programs</p> <p>1-2-2 Pre -, mid - and post - examination</p> <p>1-2-3 Monitoring of utilization of the manuals</p>	<p>1. Trained engineers continue working</p> <p>2. DPWH Central Office adopts the manuals without delay</p> <p>3. DPWH's role for road/bridge construction and maintenance remains unchanged.</p>

<p><b>Activities</b></p> <p><b>Cordillera Administrative Region – Baguio City</b></p> <p>1-1 Conduct training needs analysis for different technical personnel (Project engineer, project inspector and material engineer).</p> <p>1-2 Formulate TCP training plan and follow-up scheme for CAR.</p> <p>1-3 Develop training programs</p> <p>1-4 Conduct dry run of training modules with Central Office and Region VII</p> <p>1-5 Conduct pilot training</p> <p>1-6 Evaluate pilot training for different modules</p> <p>1-7 Improve training modules and training programs</p> <p>1-8 Conduct 2<sup>nd</sup> to 4<sup>th</sup> training programs</p> <p>1-9 Conduct regional technical conference</p> <p>1-10 Monitor and evaluate training follow-up scheme</p> <p>2-1 Review on the current state of (1) DPWH technical manuals, (2) Department Orders, (3) Procedural manuals, (4) Work specifications, (5) QC/QA manuals, (6) Inspection manuals, and (7) Other manuals or guidelines on construction and maintenance</p> <p>2-2 Formulate a plan for technical manual development and scheme for improvement and sustainability</p> <p>2-3 Develop technical manuals in collaboration with Central Office and Region VII</p> <p>2-4 Pre-test the technical manuals in pilot regions and include in training programs</p> <p>2-5 Submit technical manuals for review and comments of Technical Working Group</p> <p>2-6 Revision, refinement, reproduction of the technical manuals</p> <p>2-7 Issue technical manuals to pilot regions to be utilized on project sites</p> <p>2-8 Monitor utilization of technical manuals and evaluate usefulness and relevance</p>	<p><b>Inputs (Japanese side)</b></p> <p>1. Dispatch of Experts</p> <p>Long-term Experts (3)</p> <p>(The expert for Road Construction and Maintenance or Bridge Maintenance will be concurrently assigned as Chief Advisor.</p> <p>-Chief Advisor</p> <p>-Road Construction and Maintenance</p> <p>-Bridge Maintenance</p> <p>-Coordinator</p> <p>Short-term Experts (10)</p> <p>(Other expert(s) will be dispatched when necessity arises for the effective implementation of the Project.)</p> <p>Road Construction and Maintenance (4)</p> <p>-Road Construction (Base-course &amp; asphalt pavement)</p> <p>-Road Construction (Earthwork)</p> <p>-Road Maintenance (Inspection; pavement)</p> <p>-Road Maintenance (Repair: slope including inspection)</p> <p>Bridge Construction and Maintenance (4)</p> <p>-Bridge Maintenance (Inspection: investigation)</p> <p>-Bridge Maintenance (Inspection: Load rating by local consultants)</p> <p>-Bridge Maintenance (Repair: concrete)</p> <p>-Bridge Maintenance (Repair: steel)</p> <p>Material testing and quality assurance (2)</p> <p>-Concrete (pavement &amp; bridge structure)</p> <p>-Soil</p> <p>2. C/P training in Japan</p> <p>3. Equipment/materials for trainings</p> <p>4. Cost share by Japanese side</p>	<p><b>(Philippine side)</b></p> <p>1. Arrangement of counterpart personnel (C/P):</p> <p>DPWH Central Office (6)</p> <p>-Undersecretary</p> <p>-Project Manager (BRS)</p> <p>-Deputy Project Manager (PS)</p> <p>-Project Coordinator (PS)</p> <p>-Central Office counterpart (BRS)</p> <p>-Central Office counterpart (PS)</p> <p>Cordillera Administrative Region (3)</p> <p>-Regional Project Manager</p> <p>-Regional counterpart</p> <p>-Regional counterpart</p> <p>Region VII (5)</p> <p>-Regional Project Manager</p> <p>-Regional counterpart</p> <p>-Regional counterpart</p> <p>-Regional counterpart</p> <p>Region XI (3)</p> <p>-Regional Project Manager</p> <p>-Regional counterpart</p> <p>-Regional counterpart</p> <p>2. Provision of facilities and equipment for the Project implementation</p> <p>-Project offices at Central and 3 Regional Offices</p> <p>-Equipment, machinery and materials</p> <p>3. Cost share by Philippine side</p>	<p>1. Project counterparts continue working in the counterpart agencies.</p> <p>2. Trained engineers of road and bridge construction/maintenance continue working in their agencies.</p> <p>3. In cases where counterparts or trained engineers are promoted or reassigned, proper turn over and replacement should be done by DPWH</p>
			<p><b>Preconditions</b></p> <p>1. Philippine government allocates budget for the Project without any major delay</p> <p>2. Project sites for the OJT in 3 DPWH Regional Offices are secured</p>

<p><b>Region VII – Cebu City</b></p> <ul style="list-style-type: none"><li>1-1 Conduct training needs analysis for different technical personnel (Project engineer, project inspector, material engineer and BMS-bridge inspector).</li><li>1-2 Formulate TCP training plan and follow-up scheme for Region VII</li><li>1-3 Develop training programs</li><li>1-4 Conduct dry run of training modules with Central Office, CAR and Region XI</li><li>1-5 Conduct pilot training</li><li>1-6 Evaluate pilot training for road modules</li><li>1-7 Evaluate pilot training for bridge modules</li><li>1-8 Improve training modules and training programs for road</li><li>1-9 Improve training modules and training programs for bridge</li><li>1-10 Conduct 2<sup>nd</sup> to 4<sup>th</sup> training programs</li><li>1-11 Conduct regional technical conference</li><li>1-12 Monitor and evaluate training follow-up scheme</li> <li>2-1 Review on the current state of (1) DPWH technical manuals, (2) Department Orders, (3) Procedural manuals, (4) Work specifications, (5) OC/DA manuals, (6) Inspection manuals, and (7) Other manuals or guidelines on construction and maintenance</li><li>2-2 Formulate a plan for technical manual development and scheme for improvement and sustainability</li><li>2-3 Develop technical manuals in collaboration with Central Office, CAR and Region XI</li><li>2-4 Pre-test the technical manuals in pilot regions</li><li>2-5 Submit technical manuals for review and comments of Technical Working Group</li><li>2-6 Revision, refinement and reproduction of the technical manuals</li><li>2-7 Issue technical manuals to pilot regions to be utilized on project sites</li><li>2-8 Monitor utilization of technical manuals, and evaluate usefulness and relevance</li></ul>		
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<p>Region XI – Davao City</p> <ul style="list-style-type: none"><li>1-1 Conduct training needs analysis for different technical personnel (Project engineer, project inspector, material engineer and BMS-bridge inspector).</li><li>1-2 Formulate TCP training plan and follow-up scheme for Region XI</li><li>1-3 Develop training programs</li><li>1-4 Conduct dry run of training modules with Central Office and Region VII</li><li>1-5 Conduct pilot training</li><li>1-6 Evaluate pilot training for different modules</li><li>1-7 Improve training modules and training programs</li><li>1-8 Conduct 2<sup>nd</sup> to 4<sup>th</sup> training programs</li><li>1-9 Conduct regional technical conference</li><li>1-10 Monitor and evaluate training follow-up scheme</li></ul> <ul style="list-style-type: none"><li>2-1 Review on the current state of (1) DPWH technical manuals, (2) Department Orders, (3) Procedural manuals, (4) Work specifications, (5) QC/QA manuals, (6) Inspection manuals, and (7) Other manuals or guidelines on construction and maintenance</li><li>2-2 Formulate a plan for technical manual development and scheme for improvement and sustainability</li><li>2-3 Develop technical manuals in collaboration with Central Office and Region VII</li><li>2-4 Pre-test the technical manuals in pilot regions and include in training programs</li><li>2-5 Submit technical manuals for review and comments of Technical Working Group</li><li>2-6 Revision, refinement, reproduction of the technical manuals</li><li>2-7 Issue technical manuals to pilot regions to be utilized on project sites</li><li>2-8 Monitor utilization of technical manuals and evaluate usefulness and relevance</li></ul>		
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Note: Need the participation and support to the Project by DPWH Central Office, especially the development of technical manuals and conduct the training.









