

## **TERMS OF REFERENCE**

### **Consulting Services for Tendering Assistance, System Design, Database Programming and Web Development for the Enhancement of the Programs and Projects Information Exchange System (PPIES)**

#### **I. Rationale**

NEDA's information systems on priority public sector projects and programs are fragmented, and in urgent situations, incapable of fully responding to NEDA management's need for reliable information and sound analysis necessary for evidence-based decision-making. There is also a need for greater transparency and knowledge sharing with key stakeholders and partners, and with the general public, in accordance with NEDA's disclosure policy and the National Government's overarching open data agenda (refer to Annex A for the Open Data Philippines Action Plan 2014-2016). In order to address these issues, the existing management information systems (MIS) of the NEDA Central and Regional Offices need to be enhanced.

For the NEDA Central Office (NCO), the Project and Programs Information Exchange System (PPIES) has to be enhanced to address four specific areas of concern: (a) on linking its isolated modules on planning, investment programming, and monitoring and evaluation into a coherent whole, as well as on making it interoperable with the systems of other NEDA offices/units; (b) on expanding the information base to cover learnings and development results, as well as on expanding the scope beyond ODA-funded projects and programs to include other priority development interventions such as PPP and locally-funded projects and programs (among others); (c) on addressing the need for wider online access, enhanced security, compliance to the open data agenda, and greater automation in data input, reports generation, and analysis; and (d) on incorporating geographic information. Annex B contains description and status of the current version of PPIES while Annexes C, D and E contain the list of fields for each of the modules of PPIES, the database documentation, and the list of remaining bugs and errors, respectively.

Meanwhile, for the NEDA Regional Offices (NROs), different existing MIS on projects and programs have to be unified, enhanced, and linked with the PPIES to facilitate knowledge sharing with other NEDA offices and units, key stakeholders, and the general public.

#### **Objectives**

Towards the above-mentioned goals and for the development and/or enhancement of the existing PPIES, services of a Consulting Firm shall be procured to:

- a) conduct system analysis and recommend improvements
- b) create the appropriate system design for the development and/or enhancement of PPIES and for unifying/enhancing project/program MIS of the NEDA Regional Offices and linking them with PPIES;
- c) perform bug fixes, database programming, and development (in a single environment, preferably open source), but excluding the integration of geographic information system (GIS) in relation to item a, to develop the following;
  - a. PPIES (including NROs) internal

- b. PPIES (including NROs) web portal
- c. Web portal for public comments/feedback; and
- d) prepare draft Terms of Reference and assist NEDA in the pre-procurement activities pertinent to the procurement of Consulting Firms which shall undertake works related to GIS integration (preparatory activities shall include the conduct of consultations with concerned NEDA staffs for setting GIS requirements, identification of potential service providers, and the conduct of market sounding).

## **II. Scope of Work and Job Specifications**

The scope of work of the Consulting Firm shall include, but is not limited to the following tasks:

### **A. Conduct System Analysis and Design**

#### *Development/Enhancement of NCO's PPIES*

1. Perform system analysis on the current version of PPIES (internal system, the web portal for public viewing, and the web portal for public feedback) based on the actual usage of the system, system documentation, operating manuals and other related materials;
2. Following an investigation on the design and structure of the existing system, prepare a systems analysis report, which includes a documentation of the database structure, links and relationships, reports and summary-tables, and a set of findings and recommendations for improvement.
3. Consult with the actors involved in the NCO to identify additional information, reports, summary-table requirements and desired new features or improvements (indicative list of improvements detailed in Annex F);
4. Produce draft system design;
5. Discuss the draft system design with the concerned actors, then adjust and refine the design accordingly.
6. Prepare (a) the System Design Specification and (b) Use Case or Mock-up (with diagram) until approved by the Project Management Committee. The system to be developed must be web-based, accessible via web browser, preferably built on open-source applications (latest versions) and on a compatible SQL-based database platform.

#### *Establishing Unified MIS for NROs*

7. Study existing documentation of the different project/program MIS of the NROs and the report formats prescribed in the Regional Project Monitoring and Evaluation System (RPMES) Manual (Annex G);
8. Consult with the NROs and gather additional information as to their MIS requirements – on information needs, reports, summary-tables, and other desired features;
9. Based on the requirements gathered thru the consultations and those detailed in Annex F, establish an evaluation criteria and assess each of the existing project/program MIS of the NROs to determine weaknesses that should be addressed and strengths that may be adopted.
10. Prepare a report detailing the different approaches to a unified MIS system design across NROs which should be linked with the PPIES of

the NCO, including the recommended approach, its justification and software and network setup requirements.

11. Draft the system design (for the internal system, the web portal for public viewing, and the web portal for public comments/feedback);
12. Discuss the draft system design with the concerned actors, then adjust and refine the design accordingly.
13. Prepare (a) the System Design Specification (should be made in relation to the approved System Design Specification for PPIES) and (b) Use Case or Mock-up (with diagram) (procedures, information flow, and concerned actors) until approved by the Project Management Committee. The system to be developed must be web-based, accessible via web browser, preferably built on open-source applications (latest versions) and on a compatible SQL-based database platform.

**B. Perform Front-End and Back-End Programming and Web Development/Design for the Development/Enhancement of PPIES and for a Unified MIS for NROs**

1. Based on the approved Work Plan, Use Case or Mock-up (with diagram) and Design Specifications, create a Quality Assurance module that can be accessed by the NEDA Technical Counterpart Team (TCT) [the team composed of technical focal persons of the concerned staffs of the NCO] and concerned actors in NEDA to: (a) keep track of the progress of development of planned MIS features/ components/ routines; (b) facilitate user testing, bug reporting and tracking; and (c) document system crashes/failures and corresponding fixes/solutions.
2. Perform bug fixing, front-end and back-end programming, and web development for the development and/or enhancement the current version of PPIES (the internal system, the web portal for public viewing, and the web portal for public feedback) in accordance with the list of desired features in Annex F, incorporating fixes to the list of bugs provided in Annex E, and based on the approved Work Plan, Use Case or Mock-up (with diagram), and Design Specifications;
3. Perform bug fixing, front-end and back-end programming, and web development to establish a unified/linked project/program MIS for NEDA Regional Offices (the internal system, the web portal for public viewing, and the web portal for public feedback) that is responsive to the requirements of the RPMES (Annex G) and other requirements as may be agreed during the consultations, is linked or integrated under one overarching relational database together with PPIES, and developed in accordance with the approved Work Plan, Use Case or Mock-up (with diagram), and the Design Specifications; and
4. Deliver a live demonstration of system features/capabilities during regular meetings with the NEDA-TCT (demonstration schedule to be mutually agreed) to show evidence on the status of development and to facilitate review of the system for improvement.

**C. Assist in the Pre-Procurement Activities of Consulting Firms for GIS Integration**

1. Consult with concerned NEDA staffs (Central Office and Regional Offices) to identify the desired GIS-supported features, which shall be integrated into the MIS.
2. Draft the Terms of Reference and the Rating Scheme for the two Consulting Firms that shall be contracted to (a) design, develop, and integrate GIS and (b) supervise implementation.
3. Identify potential service providers (key market players in the field of GIS development) and conduct market sounding, and improve the TORs to enhance its responsiveness to the market.
4. Submit for approval the revised TOR.

D. Perform Management and Administrative Functions

1. Prepare and submit for approval an Inception Report which includes:
  - a) the overall approach in undertaking the required tasks
  - b) an indicative work plan (with milestones) listing all the activities to be undertaken under the Contract for Consulting Services, the schedule, and the personnel of the Consulting Firm responsible in accomplishing the activities; and;
  - c) the template of the monthly progress reports.
2. Prepare and submit for approval (or re-approval) a work plan (or a revised version to incorporate catch-up measures in case of delays, as may be necessary) based on the approved Use Case or Mock-up (with diagram) and Design Specification (original or revised).
3. Coordinate with the NEDA Technical Counterpart Team and the Project Management Team and participate in bimonthly meetings for reporting progress of development and/or bug fixing, live system demonstration, etc.;
4. Conduct user training for NEDA Central Office staffs and NEDA Regional Offices staffs;
5. Facilitate the conduct of workshops;
6. Submit Monthly/Final Progress Reports for verification/approval;
7. Submit Progress Billings (with the approved Monthly/Final Progress Report for the period covered);
8. Ensure that the system(s) is (are) properly installed in the NCO (and the NROs, if applicable);
9. Prepare and submit the following documentation/manuals in soft and hard copies: (a) system documentation manual; (b) a user manual; and (c) a training manual.
10. Disclose and turn-over to the NEDA-TCT all source codes, and agree to provide NEDA all Intellectual Property rights for the systems developed/enhanced;
11. Provide for a one-year warranty and defects liability period, wherein any system problem/bug encountered, within the approved program specifications, including revisions/amendments as may be agreed upon by both parties, shall be corrected/remedied/revised free of charge. Remote twenty-four hour technical support should be rendered to respond to system crashes or failures.

### III. Qualification Requirements and Shortlisting Criteria

The Consulting Firm to be contracted under this TOR should comply with the eligibility requirements set forth under Section 24 of the Revised Implementing Rules and Regulations (IRR) of Republic Act (RA) No. 9184, or the Government Procurement Reform Act (GPRA). In addition, the single largest completed contract (of a relevant nature<sup>1</sup>) of the Consulting Firm should meet 50 percent of the approved budget for the contract (ABC) specified in item IV of this TOR.

Subsequently, the list of eligible and qualified Consulting Firms shall be shortlisted based on the following criteria:

1. Applicable experience of the firm for the past six (6) years (30%);
2. Qualifications of the principal and key consultants/members of the project team under the Consulting Firm vis-à-vis the extent and complexity of their corresponding role for the undertaking (must meet requirements set forth in Table 1) (50%); and
3. Current workload relative to capacity (20%).

Table 1. Minimum Required Roles for the Undertaking/Job

Role	Responsibilities/ Experience/ Skills/ Education
1. Project Manager	<i>Responsibilities</i> <ul style="list-style-type: none"><li>• Oversees overall project management.</li><li>• Prioritizes, plans, tracks and reports project progress.</li><li>• Designs, develops and modifies programs, including prototypes.</li><li>• Researches project development options and provides analysis for direction.</li><li>• Ensures that the development team have appropriate product and technical specifications, direction, and resources to deliver products.</li></ul> <i>Experience/Skills</i> <ul style="list-style-type: none"><li>• at least three (3) years of work experience as project manager for both: (a) the design/ development of MIS implemented in client-server architecture using open source software; (b) design/ development of dynamic, database-driven websites and web applications</li><li>• have knowledge on GIS design, development, and integration</li></ul> <i>Education</i> <ul style="list-style-type: none"><li>• Bachelor's Degree in Computer Science, Computer Programming, or other IT-related course.</li></ul>

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<sup>1</sup> development of a web-based, SQL-based MIS

Role	Responsibilities/ Experience/ Skills/ Education
2. Business Analyst	<p><i>Responsibilities</i></p> <ul style="list-style-type: none"> <li>• Leads business and technical analysis sessions to support development efforts to meet current and projected business needs.</li> <li>• Confers with users, studies information needs, system flows, data usage, and work processes, and investigates problem areas following the software development lifecycle.</li> <li>• Understands the business issues and data challenges of client's organization and industry.</li> <li>• Aligns stakeholders on business requirements, system requirements, program/software functions and strategies.</li> <li>• Provides expertise on the systems capabilities/ limitations as it relates to business operations/goals.</li> <li>• Prepares use cases, mock-ups and formal requirements documentation.</li> </ul> <p><i>Experience/Skills</i></p> <ul style="list-style-type: none"> <li>• at least three (3) years of work experience as business analyst for both (a) the design/ development of MIS implemented in client-server architecture using open source software and (b) the design and development of dynamic, database-driven websites and web applications.</li> </ul> <p><i>Education</i></p> <ul style="list-style-type: none"> <li>• Bachelor's Degree in Computer Science, Computer Programming, or other IT-related course.</li> </ul>
3. Developer	<p><i>Responsibilities</i></p> <ul style="list-style-type: none"> <li>• Develops information systems by designing, developing, and installing software solutions/ product deliverables in accordance with user specifications and with good practices in coding/software development.</li> <li>• Escalates technical design or specification issues to business analyst/project manager.</li> <li>• Troubleshoot technical issues and identify modifications needed in existing applications to meet changing user requirements.</li> <li>• Analyze databases and identifies data integrity issues with existing and proposed systems and implement solutions.</li> <li>• Develop data migration and integrations processes as may be required.</li> </ul> <p><i>Experience/Skills</i></p> <ul style="list-style-type: none"> <li>• At least three (3) years of work experience as a software developer for both (a) the design/ development of MIS implemented in client-server architecture using open source software and (b) the design and development of dynamic, database-driven websites and web applications.</li> </ul> <p><i>Education</i></p> <ul style="list-style-type: none"> <li>• Bachelor's Degree in Computer Science, Computer Programming, or other IT-related course.</li> </ul>

Role	Responsibilities/ Experience/ Skills/ Education
4. Quality Assurance Specialist	<p><i>Responsibilities</i></p> <ul style="list-style-type: none"> <li>• Identify test requirements from specifications, map test case requirements and design test coverage plan.</li> <li>• Develop, document and maintain functional test cases and other test artifacts like the test data, data validation, automated scripts, etc.</li> <li>• Execute and evaluate manual or automated test cases and report test results.</li> <li>• Hold and facilitate test plan/case reviews with cross-functional team members.</li> <li>• Identify any potential quality issues per defined process and escalate potential quality issues immediately to management.</li> <li>• Ensure that validated deliverables meet functional and design specifications and requirements.</li> <li>• Isolate, replicate, and report defects and verify defect fixes.</li> </ul> <p><i>Experience/Skills</i></p> <ul style="list-style-type: none"> <li>• At least three (3) years of work experience as a quality assurance specialist (designing and manipulating test data, validating stored procedures, jobs, triggers, replication, etc.) for both (a) the design/ development of MIS implemented in client-server architecture using open source software and (b) the design and development of dynamic, database-driven websites and web applications.</li> </ul> <p><i>Education</i></p> <ul style="list-style-type: none"> <li>• Bachelor's Degree in Computer Science, Computer Programming, or other IT-related course</li> </ul>

#### **IV. Approved Budget for the Contract (ABC)**

The ABC is **PhP2,520,000.00** inclusive of all applicable taxes.

#### **V. Duration**

The Contract of the Consulting Firm shall be for a period of 24 months – the required deliverables are to be completed within 12 months, while the remaining 12 months shall be intended for the warranty and defects liability period.

**VI. Mode of Procurement:** Public Bidding (in accordance with RA 9184 and its Revised IRR)

#### **VII. Evaluation and Selection Criteria (Rating Scheme)**

The Consulting Firm will be evaluated based on a quality-cost based evaluation process using the following criteria:

- A. Technical Proposal (80%)
  1. Experience and capability of the Consulting Firm
  2. Qualifications of key personnel involved, consisting of work experience similar to the undertaking/job (development of a web-based, SQL-based MIS on project monitoring for a government agency) or relevant to the undertaking/job (development of a web-based, SQL-based MIS), and educational attainment
  3. Work plan incorporating the proposed technology, approach and methodology (to be rated based on comprehensiveness, innovativeness, quality of interpretation of problems and risks, and quality of suggested solutions)
- B. Financial Proposal (20%)

### **VIII. Duties, Responsibilities and Expected Outputs of the Consulting Firm**

In addition to the activities listed under item II of this TOR, the Consulting Firm is also expected to submit/produce the following reports/outputs/deliverables.

<b>Report/ Output/ Deliverable</b>	<b>Description</b>	<b>Indicative Time of Completion</b>
1. Inception Report	It should include (a) the overall approach of the consulting firm; (b) an indicative work plan and (c) template of progress reports, submitted in electronic and hard copies (three sets). (Details in item II.D.1 of this TOR.)	one month after commencement of services
2. Systems analysis report	An investigation on the design and structure of the existing system, it should include a documentation of the database structure, links and relationships, reports and summary-tables, and a set of findings and recommendations for improvement. It should be submitted in electronic and hard copies (three sets).	two months after commencement of services
3. Minutes/ agreements of consultation meetings with concerned NRO and NCO staffs	Minutes, list of agreements, and persons consulted/met during consultations/ meetings on: (1) identifying/ refining system requirements; (2) refining the draft system design & use case or mock-up; (3) market sounding; and (4) regular meetings of the Consulting Firm with the NEDA-TCT.	one week after the conduct of meeting/consultation
4. Alternatives analysis report (for the development of a unified MIS for NROs)	A report detailing the different approaches to a unified MIS design that may be adopted by the NROs which links with the PPIES of the NCO. The report should describe the recommended approach and its justification. It should be submitted in electronic and hard copies (three sets).	six months after commencement of services



<b>Report/ Output/ Deliverable</b>	<b>Description</b>	<b>Indicative Time of Completion</b>
5. System Design Specifications and Use Case/Mock-up (with diagram)	<p>The Use Case or Mock-up should provide the simplified and graphical representation of what the system actually does. It depicts the different types of users and the various ways that they interact with the system.</p> <p>The System Design Specification should define the architecture, network design and layout, components, modules, and interfaces of the system. It should also describe the data flows, inputs, outputs, and storage, processing and backup or recovery configurations.</p> <p>These should be submitted in electronic and hard copies (three sets).</p>	three months after commencement of services
6. Detailed Work Plan	It should contain a Gantt chart showing the activities to be undertaken by the Consulting Firm, indicating milestones, schedule, and personnel assigned and their respective roles. It should be submitted in electronic and hard copies (three sets).	3 months after commencement of services
7. Quality Assurance Module	A module that can be accessed by the NEDA TCT and concerned actors in NEDA designed to: (1) keep track/document the progress of development of the planned features/components/routines; (2) facilitate user testing/review, bug reporting and tracking; and (3) document system crashes/failures and corresponding fixes/solutions.	One week before user-testing
8. Enhanced PPIES (Beta Version)	Enhanced web-based, SQL-based (1) PPIES and (2) web portal based on features identified in Annex F and the approved System Design Specifications and Use Case/Mock-up	Within nine months from commencement of services
9. Unified NRO MIS (Beta Version)	Development of a web-based, SQL-based (1) MIS for NROs and (2) web portal based on the approved System Design Specifications and Use Case/Mock-up	Within 12 months from commencement of services

<b>Report/ Output/ Deliverable</b>	<b>Description</b>	<b>Indicative Time of Completion</b>
10. User Manual	<p>Produced in two forms:</p> <ul style="list-style-type: none"> <li>• Operations manual (booklet) on how to use the system, which should cover all types of users and all types of system interactions.</li> <li>• e-Learning module (web-based and CD-based instructional training) complete with screenshots and voice-over.</li> </ul> <p>These should be submitted in soft (2 CD copies) and hard copies (2 sets, for the operations manual only) for both the enhanced PPIES and the unified NRO system.</p>	One week before the start of user training
11. Training Manual	A step-by-step guide on how to conduct a training for first time users of the system. It should be submitted in soft (2 CD copies) and hard copies (2 sets) for both the enhanced PPIES and the unified NRO system.	One week before the start of user training
12. Summary report on the training evaluation	A report consolidating and summarizing the evaluation forms accomplished by the participants during the user training. It should be submitted in electronic and hard copies (2 sets).	One week after the training.
13. List and contact details of potential service providers for the two contracts for GIS integration	The list and contact details should include at least three qualified key market players in the field of GIS design, development and integration for the conduct of market sounding.	11 months after commencement of services

<b>Report/ Output/ Deliverable</b>	<b>Description</b>	<b>Indicative Time of Completion</b>
14. Terms of Reference and Rating Scheme	<p>Two Terms of Reference (and Rating Schemes) shall be prepared in coordination with the NEDA TCT: (i) for designing, developing and integrating GIS into the system; and (ii) for supervision. The Terms of Reference shall include, but would not be limited to the following sections:</p> <ul style="list-style-type: none"> <li>– rationale</li> <li>– objectives</li> <li>– scope of work and job specifications</li> <li>– qualification requirements (consulting firm &amp; staff)</li> <li>– estimated budget of the contract</li> <li>– duties and responsibilities of the consulting firm</li> <li>– matrix of target outputs/deliverables (with description and planned completion schedule)</li> <li>– duties and responsibilities of the consulting firm</li> <li>– payment scheme &amp; milestones</li> <li>– indicative work plan</li> </ul> <p>The rating scheme should be drafted in accordance to the Quality-Cost based Evaluation approach specified under the Revised IRR of the Government Procurement Reform Act.</p> <p>The documents should be submitted in soft (2 CD copies) and hard copies (2 sets).</p>	In the 12 <sup>th</sup> month after commencement of services
15. Progress reports	Should be submitted in electronic and hard copies (2 sets) in the form agreed to by the NEDA-TCT and the Consulting Firm.	Monthly
16. Billing Statements	Should be accompanied by the progress reports for the period covered and submitted in the form agreed to by the NEDA-TCT and the Consulting Firm.	Upon acceptance of progress report (quarterly payment) and major outputs/deliverables
17. Enhanced PPIES (Final Version)	Enhanced web-based, SQL-based (1) PPIES and (2) web portal based on features identified in Annex F and the approved System Design Specifications and Use Case/Mock-up, and incorporating fixes in bugs identified during user testing and during the completed warranty period	Within 24 months from commencement of services

<b>Report/ Output/ Deliverable</b>	<b>Description</b>	<b>Indicative Time of Completion</b>
18. Unified NRO MIS (Final Version)	Development of a web-based, SQL-based (1) MIS for NROs and (2) web portal based on the approved System Design Specifications and Use Case/Mock-up, and incorporating fixes in bugs identified during user testing and during the completed warranty period.	Within 24 months from commencement of services
19. Systems' source codes	Including data files and other support files essential for the operation of the enhanced PPIES and the unified NRO system.  It should be submitted in soft and hard copies (three sets).	In the 24 <sup>th</sup> month after commencement of services
20. System documentation manual	The manual shall include, but would not be limited to the following documentation requirements: <ul style="list-style-type: none"> <li>• setup and configuration (scripts and procedures)</li> <li>• network protocols</li> <li>• security and back-up procedures</li> <li>• database schema/structure (fields, tables, links/relationships)</li> <li>• report queries (for both the internal system and the public web portal).</li> </ul> It shall be submitted in soft and hard copies (three sets) for both the enhanced PPIES and the unified NRO system.	In the 24 <sup>th</sup> month after commencement of services

*\*Note: Outputs/deliverables on System Design Specifications, Use Case/Mock-up, Quality Assurance Module, user and training manuals refer to the requirements for both the PPIES enhancement phase and the development of a unified NRO MIS.*

#### **IX. Duties and Responsibilities of the NEDA**

1. Create a Technical Counterpart Team which shall coordinate with the Consulting Firm on all matters requiring direction, input, and approval from NEDA in view of the implementation of the Contract of Service of the Consulting Firm.
2. Ensure the availability of required hardware, software (for deployment of the system), and web-hosting services.
3. Facilitate/manage/organize the participation of NEDA personnel in the user testing and training on the completed parts/components/modules of the enhanced PPIES and the Unified NRO MIS.
4. Pay the Consulting Firm for its services based on the contract and in accordance with existing government accounting and auditing rules and regulations.
5. Impose sanctions/penalties consistent with R.A. 9184 and its Revised IRR.

## X. Payment Scheme

Payments for the services rendered by the Consulting Firm shall be made in accordance to the schedule below. Note that payments to the Consulting Firm for each of the milestone/ output/ activity specified below shall be made upon submission by the Consulting Firm of a billing statement, and upon acceptance and issuance of certificate of satisfactory service by NEDA.

<b>Output/Milestone</b>	<b>Payment (% of Contract Amount)</b>
1. Acceptance of Inception Report	10
<b><i>PPIES Enhancement</i></b>	
2. Acceptance of Design Reports for PPIES Enhancement <sup>2</sup>	8
3. Conduct of User Training for PPIES Enhancement <sup>3</sup>	18
<b><i>Development of a Unified NRO MIS</i></b>	
4. Acceptance of Design Reports for Unified NRO MIS <sup>4</sup>	8
5. Conduct of User Training for Unified NRO MIS <sup>5</sup>	18
<b><i>Tendering Assistance for GIS Integration</i></b>	
6. Acceptance of TOR and Rating Scheme for the Procurement of Consulting Firms for GIS Integration	4
<b><i>System Finalization (upon completion of warranty period)</i></b>	
7. Acceptance and Turnover of Enhanced PPIES and Unified NRO MIS (Final Versions)	8
8. Acceptance of Full System Documentation	6
<i>Sub-total</i>	80
<b><i>Progress Reports</i></b>	
9. Acceptance of 12 Monthly Progress Reports (payment in four tranches –on the 3rd, 6th, 9th and 12th progress report)	20 (5 percent per tranche)
<b>Grand Total</b>	100

Please note that the scope of work, job specification, expectations, obligations, duties and responsibilities of the Consulting Firm set forth in this TOR are to be performed under a fixed contract price and that any extension of contract time required by the Consulting Firm to deliver those services shall not involve any additional cost to NEDA.

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<sup>2</sup> Includes preparation and acceptance of the Systems Analysis Report, System Design Specification and Use Case/Mock-up, and Revised/Detailed Work Plan

<sup>3</sup> Includes preparation and acceptance of the Enhanced PPIES (Beta Version), QA Module, User Manual, Training Manual, e-Learning module, and the conduct of User Training

<sup>4</sup> Includes the preparation and acceptance of the Alternatives Analysis Report, System Design Specification and Use Case/Mock-up, and the Revised/Detailed Work Plan

<sup>5</sup> Includes preparation and acceptance of the Unified NRO MIS (Beta Version), QA Module, User Manual, Training Manual, e-Learning module, and the conduct of User Training

## **ANNEX A: OPEN DATA PHILIPPINES ACTION PLAN 2014-2016**

*Transparent, accountable, and participatory governance through open government data*

### **ABOUT THE ACTION PLAN**

1.0 The Government of the Philippines (GPH) is thrilled to introduce the program Open Data Philippines (ODP). This Action Plan details the various elements of the initiative and seeks to:

- a. Express the commitment of the GPH to practice Open Government Data;
- b. Introduce the global movement on Open Data;
- c. Stipulate the principles that guide the ODP;
- d. Convey the pre-work conducted in launching the program;
- e. Define the tasks of the ODP Task Force;
- f. Introduce the Open Government Data portal of the GPH, data.gov.ph, and its features;
- g. Guide all agencies of the GPH in their indispensable participation to the program; and
- h. Serve as the program's blueprint until 2016;

Appended with this Action Plan are technical annexes some of which double as a quasi-manual, especially for agencies of the GPH, and some as special references.

2.0 This Action Plan is intended for a broad audience, but was drafted with four (4) distinct readers in mind:

- a. the international community, with a focus on the Open Government Partnership and Open Data communities and other governments;
- b. agencies of the GPH;
- c. advanced users of data.gov.ph, who are likely to be developers, researchers, and civil society organizations; and
- d. casual users of data.gov.ph and the general public.

### **IN COMPLIANCE WITH THE SOCIAL CONTRACT WITH THE FILIPINO PEOPLE**

3.0 On May 10, 2010, the Republic of the Philippines elected then Presidential candidate Benigno S. Aquino III with a platform of government embodied in A Social Contract with the Filipino People. As the country moves forward with renewed hope from a clear vision, the new leadership has anchored its credibility to deliver on its platform on an open government. As President Aquino has put it, "Openness inspires trust, which is the foundation of a genuine partnership."

4.0 Consistent with the belief in being deliberate on the path to reforms, the administration issued Executive Order No. 43, Series of 2011, which serves as the overall governance framework of the Aquino government. Pursuing the Social Contract platform, transparent, accountable, and participatory governance is framed as an enabling key result area (KRA) in creating impact in the areas of peace and rule of law, poverty reduction, inclusive growth, and integrity of environment.

To streamline the work of the Government of the Philippines (GPH) with this framework, the Cabinet was organized into five (5) clusters, each corresponding to a KRA. Tasked to institutionalize open, transparent, accountable, and inclusive governance is the Cabinet Cluster on Good Governance and Anti-Corruption (GGAC).

5.0 The Open Data Philippines (ODP), as a program, is a key commitment by its program managers to the GGAC Cluster, and consequently by the Cluster to the people. The program is likewise a commitment to the Open Government Partnership (OGP), a

multilateral initiative that aims to secure concrete commitments from governments to promote transparency, empower citizens, fight corruption, and harness new technologies to strengthen governance.<sup>2</sup> It is worth stating that the GPH is a founding member-government of the OGP; an indicative feat that the international community is cognizant of the widespread reforms envisioned by the government's social contract with the Filipino people.

6.0 This Action Plan is intended to supplement the GGAC Action Plan 2012-2016 by demonstrating that introducing an Open Data regime is integral to an open government. As the GGAC Action Plan is founded on the pillars of Transparency, Accountability, and Citizens' Engagement, the country's Open Government Data program is precisely anchored on these principles of Open Governance.

**Transparency.** The exercise of openness in government processes, actions, and decisions through regular disclosure of pertinent information to the public, ensuring the citizens' access to information on government affairs, and effectively communicating to the public.

**Accountability.** "Our administration defines accountability in two ways: as a commitment to uphold the highest ethical standards in government, and as an obligation to achieve measurable performance outcomes." This entails pursuing punitive and preventive measures against corruption; as well as establishing mechanisms for performance management, particularly in public resource management, results delivery, frontline services, and regulation.

**Citizens' engagement.** Opening as many areas of governance as possible to the participation of stakeholders, particularly civil society groups, grassroots organizations, business, academe, development partners, among others. Citizens will also be engaged through partnerships and the mobilization of citizens and various groups in support of the governance reform agenda.

7.0 In the iteration of the GGAC Plan, the Cluster has created a refined framework by identifying priority outcomes for 2013-2016, as follows:

<b>OUTCOME 1</b>	<b>SUB-OUTCOME 1.1</b>	<b>SUB-OUTCOME 1.2</b>	<b>OUTCOME 2</b>	<b>SUB-OUTCOME 2.1</b>	<b>SUB-OUTCOME 2.2</b>	<b>SUB-OUTCOME 2.3</b>	<b>OUTCOME 3</b>	<b>SUB-OUTCOME 3.1</b>	<b>SUB-OUTCOME 3.2</b>	<b>OUTCOME 4</b>	<b>SUB-OUTCOME 4.1</b>
	Curbed corruption	Improved transparency & citizens' empowerment	Improved access to information	More meaningful citizens' participation in governance processes	Improved public sector performance	Strengthened public financial management and accountability	Improved performance management and monitoring system	Enhanced delivery of frontline services	Enhanced delivery of justice	Improved anti-corruption measures	Greater accountability of public servants
	Intensified efforts to prevent smuggling and tax evasion	Improved policy environment for good governance	Greater support for the passage of priority legislations on transparency, accountability, participation and anti-corruption	Enhanced business environment							

## GOALS OUTCOMES & SUB-OUTCOMES

Formally, the ODP is a commitment under the Outcome 1—Improved transparency and citizen' empowerment—and more specifically under Sub-outcome 1.1—Improved access to information.

8.0 As the Philippines is one of the eight (8) founding member-governments of the Open Government Partnership (OGP), the country finds itself in a perfect position to further concretize its commitments to the OGP through this program. This Action Plan presents

and documents how the Task Force intends to carry out the country's open government data program as the government's podium to deliver its pledge for an open government.

## **PRINCIPLES OF THE ODP**

9.0 Fundamentally, the program stems from the people's right to information and subscribes to the general principles of the global movement on open data, especially that of open government data.

10.0 The European Commission supports open data for the following reasons: (1) public data has significant potential for reuse in new products and services; (2) having more data openly available will help the European Union discover new and innovative solutions to address societal challenges; (3) achieving efficiency gains through sharing data inside and between public administrations; and (4) fostering participation of citizens in political and social life and increasing transparency of government.<sup>4</sup>

11.0 Reinforcing these in the local ecosystem of ODP, the program adheres to the following principles:

- a. access to public sector information;
- b. data-driven governance;
- c. public engagement; and
- d. practical innovation.

A convenient way to frame these four principles is that the first two (2) principles relate to the supply side of the program and the latter two (2) pertain to the demand side.

### **12.0 Access to public sector information**

The ODP intends to be one of the leading programs to cater to the constitutional right of the people to information on matters of public concern. The open data portal, data.gov.ph, is intended to be the primary platform by which government data will be published. Further, the program seeks to bring together all platforms for government data disclosure by making these as complementary portals to each other and data.gov.ph.

### **13.0 Data-driven governance**

The program also seeks to drive government decision making based on available and sound data. This entails, first, ensuring that data is broadly accessible to civil servants and government decision makers. Further, the program seeks to engender a culture within the government bureaucracy that data need to be soundly managed in its full life cycle. And equally important, as the program recognizes that government does not have a monopoly of good governance, a citizenry empowered with open government data can help improve government's service delivery.

### **14.0 Public engagement**

The program adheres to the idea that opening government data goes beyond providing the supply of data. Insofar as this program and the portal are concerned, the Task Force does not subscribe to the expression, "build it and they will come." For the open government data agenda to fully blossom in various spheres of public life, the program has to establish linkages outside of government, especially with developers, civil service organizations (CSOs), the private sector, academe, and other stakeholders.

### **15.0 Practical innovation**



The program aspires to create opportunities for innovation that tremendously benefit both government and the public. In countries where government data has been opened up, the public has helped develop ecosystems of innovation that result in the creation of tools derived from open government data. Whether the output be visualizations, mobile applications, or online tools, the program is cognizant that open government data goes beyond the fundamental purpose of transparency, but also hopes for ways to improve delivery of public services, translate into economic or commercial opportunities, and be relevant to everyday lives.

16.0 In addition to these principles, the program shall also be guided by governing policies pertinent to the nature of the ODP.

**Data privacy legislation.** In publishing government data, the program is cognizant of the country's Data Privacy Act.<sup>5</sup> As stated in its Declaration of Policy, "It is the policy of the State to protect the fundamental human right of privacy, of communication while ensuring free flow of information to promote innovation and growth. The State recognizes the vital role of information and communications technology in nation-building and its inherent obligation to ensure that personal information in information and communications systems in the government and in the private sector are secured and protected." Inasmuch as the program is motivated to supply as much government data as possible, it shall adhere to legal restrictions pertaining to privacy.

The ODP is also cognizant of other relevant policies that the program, especially the Open Data portal, will support such as the Anti-Red Tape Act,<sup>6</sup> National Archives of the Philippines Act,<sup>7</sup> and disclosure provisions of the yearly General Appropriations Acts.

17.0 In adherence to the principles of the ODP and existing policies, the Task Force sees that these are best served by focusing on the circumstances by which government data is managed and published. To make significant and immediate strides in advancing these principles and policies, the program advocates the following paradigm shifts on how public sector information (PSI) is managed and published:

- a. **Open Data as default.** The program seeks to spread a culture that accessibility of government data in open formats should be the default and not a mere afterthought in the process of government data management and disclosure.
- b. **Machine-readability.** Part and parcel of the shift towards openness is the advocacy for putting up data in digital formats that can be extracted by computer programs, or making data machine-readable from simply human-readable.
- c. **Reusability.** This program seeks to build a consciousness within government that in an open data ecosystem, the application of data go beyond research papers. With data moving away from closed and proprietary to open formats, the ease in giving life to data becomes easier with the advent of visualizations and applications, and these are only possible when data is reusable, and more importantly when there is a consciousness that when published, data can and will be used in ways other than it was intended for.
- d. **Cost-free.** The program advocates bringing down the barrier of cost in accessing data. In the process of putting government data online and in a centralized portal, the cost for the data and the attendant costs in accessing it should be driven down at a minimum, if not entirely free.
- e. **Context.** Critical in driving public engagement and innovation is the idea to inform the public beyond individual pieces of data. By providing context around data such as links to related datasets, information how it was collected, metadata and pertinent attachments, users are better informed on how to make sense of and reuse the data

## **CHAMPIONS IN GOVERNMENT**

- 18.0 Though programs by the GGAC and involvement of the Philippines in the OGP began early in the Aquino administration, the ODP only existed conceptually in 2012. Deciding to finally pursue the project in April 2013, three agencies formed a Task Force and Project Management Office (PMO) to begin initial dialogues and engage partners in the development of an open government data portal and corresponding processes and policies in an open government data regime.
- 19.0 The ODP is led by an interagency Task Force comprised of the Office of the Presidential Spokesperson (OPS), Presidential Communications Development and Strategic Planning Office (PCDSPO), and Department of Budget and Management (DBM). A summary of the mandates of these agencies are stated below.
- The OPS is mandated to report directly to the President to give advice on all matters and concerns related to the Presidency as it may affect the information demands of the public.<sup>8</sup>
- The PCDSPO is mandated to formulate editorial guidelines and policies for state media and assist in the formulation and implementation of new media strategies for the Office of the President.<sup>9</sup>
- The DBM is mandated to promote the sound, efficient, and effective management and utilization of government resources as instruments in the achievement of national socioeconomic and political development goals.<sup>10</sup>
- 20.0 The Task Force shall ensure the effective implementation of the ODP and this Action Plan by, among others:
- a. overseeing the development of the Open Government Data portal, [data.gov.ph](http://data.gov.ph);
  - b. coordinating with agencies of the GPH for the following:
    1. promotion of the program, its objectives, and operations;
    2. publication of government datasets;
    3. harmonization of existing portals and initiatives akin to open government data;
  - c. formulating harmonized data disclosure policies of government;
  - d. building and deepening engagement with stakeholders, such as the academe, developers, civil society, media, and private sector among others;
  - e. aligning the program with the following:
    1. Good Governance and Anti-Corruption Plan and initiatives of the Cabinet Cluster on GGAC;
    2. commitments of the GPH to the Open Government Partnership;
    3. best international practices of open data and PSI disclosure
- 21.0 The Task Force is supported by a PMO, an inter-agency secretariat unit comprised of personnel from the OPS, DBM, and PCDSPO. The PMO oversees the day-to-day development of the program and provides the necessary support to the Task Force and all agencies of the GPH participating in the program. See Annex A for current members of the Task Force and the personnel who constitute the PMO.
- 22.0 The Task Force members are in consensus that there ought to be an institutional business owner of both the Open Data portal and the program. With the intention to produce a future policy instrument to designate a single agency or a group of agencies as the eventual owner of the program, the Task Force, with its PMO, will be the program managers until the prospective institutional business owner/s within government has been determined. Whichever agency or agencies this/these may

be, it is of utmost priority that it must be able to continue the program beyond the changes of government administrations.

23.0 The program covers all departments and agencies of the executive branch of the GPH, including state universities and colleges (SUCs), and government-owned and/or – controlled corporations (GOCCs). The Congress, Judiciary, Constitutional Commissions, and Office of the Ombudsman have been engaged and are highly encouraged to participate in the program.

#### **DATA.GOV.PH**

24.0 The program recognizes that government agencies have rich sets of exciting, but untapped, public data. These data—everything from budget to education to weather—are generated over the course of normal work and implementation of agency mandates. Opening up of these public datasets, by making them easy to view and use, also opens up new possibilities for both the government and the public. Open government data initiatives in other countries have led to the development of new ways to view and analyze data, generation of innovative applications and services that empower the public to make informed decisions, and a more efficient and transparent government. The ODP Task Force aims to work with all government agencies to populate data.gov.ph with their datasets in order to tender this as the definitive website for public government data. This initiative aims to make Philippine public government data searchable, understandable, and accessible.

**Searchable.** The portal will consolidate the datasets sent by different agencies, allowing site users to find specific information from the rich collection of public datasets made available by agencies.

**Understandable.** The portal will feature up-to-date infographics, visualizations, and other applications based on public data that make the information easy to understand. These visualizations will be powered by the latest data uploaded to the website by agencies and updated as soon as new data comes in.

**Accessible.** Users of the portal will not only be able to view the data, but also share it and download it in spreadsheets and other open formats. This will encourage innovation by harnessing local Filipino talent and allowing people to easily use the datasets in new, unexpected ways to help the public.

25.0 As the official Open Government Data portal for the Philippines, data.gov.ph was strategically designed to immediately convey two (2) primary forms of content that users can search and access: datasets and visualizations. For the other sections and features of the data.gov.ph, see Annex B.

#### **26.0 Datasets**

**High value datasets.** In order to establish data.gov.ph as the definitive portal for public sector data, the Task Force shall work with all agencies of the GPH to publish high value datasets from the time data.gov.ph is launched until March 2014. The coverage of ‘high value’ datasets will be evaluated constantly but for purposes of kick-starting the program, the Task Force has identified these high value data, as listed in Annex C.

**The five stars of open data.** Publication of PSI is not new. However, there are varying degrees by which government data is deemed to be open. As a guide to the agencies of the GPH with regard to measuring the reusability of data, the Task Force is adopting the Five Star Rating System for Open Data (see Annex D), which has been espoused by the international open data community, including the European Public Sector Information Platform,<sup>11</sup> among others.

**Metadata.** To meet a technical necessity of the platform and, more practically, to aid in the cataloguing of data, each published dataset shall be accompanied by a metadata, which simply

means data about a particular data. Though datasets may already be available in the agency's possession, the creation of metadata files for each dataset shall be required from each agency. This is aligned with the program's advocacy to provide context to data the government pushes out. For the data.gov.ph, the JSON metadata standard will be the prescribed format (see Annex E).

**Definition of terms.** Another form of context that the program advocates for is the availability of definition of terms for each dataset. For better clarity and appreciation by the users of data, agencies will be asked to provide definitions for the terms used in each dataset.

## 27.0 Visualizations

The Task Force designed the program to be deliberate about conveying the power of visualizations as an offshoot of Open Data. This is manifest through the Infographics section on the portal. This section will feature various forms of visualizations such as dashboards and both static and dynamic infographics. Not only will it feature visualizations created by the ODP PMO, but also those by other government agencies and submissions by third parties.

"Visualizations" is used as an encompassing term for all kinds graphically represented data. There are different categories under it such as (a) kinetic information graphics, (b) static information graphics, and (c) dashboards. kinetic and static information graphics use only a portion of a dataset as needed in the narrative the infographic is designed to communicate. These infographics will be created depending on a prevailing issue or to feature a specific dataset. kinetic infographics are web-based, while static infographics can be both available via web or print. Dashboards, on the other hand, are interactive interfaces that can display snapshots of an entire dataset. These snapshots can change depending on how the users interact with the indicators of each Dashboard (i.e. year, location, category). Dashboards are designed to enable users to explore the entire dataset and create a narrative of their own based on their findings.

Visualizations are designed to enable people to digest data better and faster. The GPH has shifted to using visualizations to assist people in understanding data as most of these can get too technical. An outstanding example of this is the information graphics disseminated by the Official Gazette ([www.gov.ph](http://www.gov.ph)) to explain timely issues. Other agencies have also participated in the trend by using information graphics to promote their flagship projects. These agencies include the Department of Transportation and Communications (DOTC), the Department of Interior and Local Government (DILG), Office of the Presidential Adviser on the Peace Process (OPAPP), the Department of Trade and Industry (DTI), and the Department of Finance (DOF). And even the President of the Philippines has used accompanying visualizations in all of his State Of The Nation Addresses.

To highlight the gravity of certain high-value datasets, the portal, upon its launch, will feature dashboards on the following themes: budget, procurement, commodity prices, and education. The use of visualizations will be a continued effort to bring public data closer to the people by making information easily understandable and accessible.

## 28.0 Open License

For all data published on data.gov.ph, the governing license Creative Commons Attribution 3.0 Philippines applies. In brief, this license allows redistribution and reuse of a licensed work on the condition that the creator is appropriately credited.<sup>12</sup> For an extended summary of this license, see Annex F.

In the future, it is expected that a more site-specific license, currently being developed, will be issued.

## **OUTREACH**

### **29.0 Pushing the open government data agenda within government**

Indispensable to the success of any open government data initiative is that all agencies of the government should be active participants of the program not only as data sources but also as stakeholders in the entirety of the process to make PSI open. Equally important is that agencies should be drivers of public engagement to ensure that the data pushed out is relevant.

30.0 Inherent in the process of the ODP was reaching out to all agencies of the GPH to push for the Open Government Data agenda. As an initial wave of consultations, the Task Force has held various fora, meetings, and workshops with government agencies—attended by senior and middle management and technical personnel—to convey the various elements of Open Data and the skills necessary in opening up government data.

31.0 Along these intragovernment consultations, the Task Force came to the pleasant realization that open government data is not an entirely new initiative to the GPH. Individual agencies have separately launched parallel open data portals and programs, specific to data within the agencies' purview (see Annex G). Hence, the Task Force seeks to bring together all existing initiatives under the brand of the ODP.

32.0 Data.gov.ph is intended to be the central platform for the publication or disclosure of government data. As the ODP is cognizant that not all forms of PSI are suited for the open data portal—as government data is only a subset of the entirety of public sector information—the Task Force will engage existing and prospective programs intended for PSI disclosure. These existing parallel programs are listed in Annex H.

33.0 Outreach agenda within government. With these, the Task Force will focus on the following areas in engaging all agencies of the GPH:

- a. continuous promotion of the program and data.gov.ph to build awareness;
- b. publication of government datasets in open formats
- c. capacity-building on data management and visualizations;
- d. dialogue on standardizing published government datasets; and
- e. calls for the practice of open government data among local government units (LGUs).

### **34.0 Public engagement**

The outreach component towards government attends to the supply-side of ODP—ensuring that government data is published openly. Equally important, but more challenging, is the outreach component towards the Filipino public. While the clamor for transparency in PSI has been alive and vibrant for a time, the open data agenda, with its tools and nuances, is relatively new not only for the Philippines but as a global movement as well. Hence, adhering to the ODP principle on citizen engagement, the Task Force believes that attending to the demand side of the program is critical in ensuring full and consistent use of open government data.

35.0 Even prior to the launch of the ODP, the program has held outreach activities to various stakeholders such as civil society, academe, developers, and multilateral partners. Prominent among these are the conduct of regional multistakeholder consultations and a hackathon.

The regional multistakeholder consultations endeavored to build awareness about the ODP and create a space for feedback on this Action Plan from CSOs, academe, local tech communities, and LGUs. Participants were likewise asked about datasets that ought to be prioritized as open and accessible given their specific context and realities faced on the ground. For example, in the consultation in Davao City, the request for maps of peace-building and conflict-afflicted areas and internally displaced people (IDP) were highlighted in light of the local context.

The hackathon brought together developers, designers, researchers, and data gurus in the Philippines to create innovative mobile and Web-based apps using open government data, specifically government budget data, to aid government performance, engage citizens, and foster transparency. The target outputs range from simple data visualizations of government spending to more complex budget crowdsourcing apps that encourages citizens to engage with government.

**36.0 Outreach Agenda for public engagement.** With these, the Task Force will focus on the following areas for public engagement:

- a. facilitate and support CSO-led movements and development of open data communities through various and regular forums such as consultations, programmatic capacity-building sessions for data and ICT literacy, and even online presence;
- b. engage the private sector, developers, and start-up communities for the development of practical applications both for public use and commercial opportunities;
- c. encourage sustained proliferation of data visualizations by building data literacy of information designers; and
- d. build awareness and facilitate participation of academic institutions in data analysis, monitoring, and impact evaluation of open data initiatives.

**37.0 Global partnerships**

Open data is not only a project but a global movement as well. Not only governments are opening up data, but also international organizations, research groups, nonprofit organizations, and even private companies. With emerging trends, perspectives, and technologies on open data, the Task Force seeks to build global partnerships to continually improve the program. For example, the Task Force has been fortunate to jumpstart the program with the help of the World Bank, particularly in the development of the data.gov.ph and learning best practices of open government data.

In time, the Task Force would also like to share its experiences and tools that emerge from the program to the broader international open data community.

**38.0 Open government data agenda for the ASEAN.** In light of the vision for further integration of the members of the Association of Southeast Asian Nations (ASEAN), the Task Force would like to advocate for a concerted effort to push for an open government data agenda for the ASEAN and its members.

**39.0 Outreach agenda for global partnerships.** With these, the Task Force will focus on the following areas of global partnerships:

- a. keeping up with trends in open data best practices especially in technology, social media, and public engagement to continuously enhance the portal and the program;
- b. sharing the experience and lessons learned by the Task Force to the international Open Data community; and
- c. bringing the open government data agenda to the ASEAN.

**MARCHING FORWARD**

**40.0** The Task Force takes pride in the fact that it has conducted several activities prior to the launch of the program and the portal (see Annex I). These activities have helped in the formulation of this Action Plan, especially the Outreach Agenda, and tested the program's assumptions.

**41.0 Post-launch activities for 2014**

With the program launched and the portal activated online on November 2013, the Task Force sees a busy year for 2014 in advancing the program. With the Outreach Agenda in mind, identified below are the activities to be conducted next year.

**Supply-side activities.** To support the program's principles on access to public sector information and data-driven governance, which are the supply-side elements of the program, these are the activities:

- a. Continuous enhancement of data.gov.ph and publication of more datasets;
- b. Masterclass for senior government officials and government technical personnel;
- c. Capacity-building workshops on creating visualizations;
- d. Calls for the development of Open Government Data portals for Local Government Units; and

**Demand-side activities.** To support the program's principles on public engagement; and practical innovation, which are the demand-side elements of the program, these are the activities:

- a. global ODP hackathon;
- b. boot camp on ICT and data literacy for CSOs;
- c. boot camp on data literacy for information designers; and
- d. regional roadshows and consultations.

For a working calendar of activities from the launch of the program until the end of 2014, see

Annex J.

#### 42.0 **Key Result Areas**

In monitoring and evaluating the program, the Task Force is using the program's four (4) principles at its key result areas. Identified below are performance indicators under each of the KRAs.

##### **Access to public sector information**

1. quantity of datasets
2. openness of data
3. practice of open data in government.

##### **Data-driven governance**

1. quality of datasets
2. feedback from government agencies as data consumers

##### **Public engagement**

1. data.gov.ph and social media traffic
2. spreading the open data agenda
3. activities conducted

##### **Practical innovation**

1. development of applications
2. relevance and practicality of applications
3. creation of visualizations

The Task Force has crafted a monitoring and evaluation instrument (see Annex K) to measure the progress of the program against the indicators under these four (4) KRAs.

#### 43.0 **Recommendations for a sustained open government data**

The outreach agenda for government, public engagement, and global partnerships are all directed towards institutionalizing the program and the portal. Recognizing that the program's success and establishing the practice of open government data by the GPH entails broad cooperative action from

the public and private sectors, the Task Force recommends the action points below for both the program and the government as a whole.

- a. **An overarching open government data policy.** To cement the ODP as a necessary platform in the GPH's commitment to provide access to information to the public, the program advocates for the issuance or enactment of a governing policy that establishes the practice of open government data by the GPH in perpetuity. The prospective policy instrument would include, among others, the practice of open government data, designation of an agency or group of agencies who will be the institutional business owner/s of the ODP, and budgetary support for the program.
- b. **Improvement in e-governance competitiveness.** The Task Force recognizes that the practice of open government data is a valuable dimension of e-governance, particularly on government information inventory and management. As has been emphasized in this Action Plan, the Task Force seeks to engage stakeholder-agencies to improve data standards and interoperability, clearly express data licensing, and support online or mobile public services. The program is open to and will actively seek meaningful engagement with initiatives within government and in the private sector that improve the country's competitiveness with regard to e-governance.
- c. **Adoption of open government data by local government units.** To serve as proof of concept of the open government data, the program is focused on data from national government agencies (NGAs). But as an outreach agenda within government, the program will also call for the practice of open government data among LGUs to demonstrate further the power of opening government data not only for transparency and accountability purposes but for encouraging participation in the local level that impacts local communities.
- d. **Monitoring the program's efficacy.** As the Task Force believes that the ODP will be a breakthrough program in deepening transparent, accountable, and participatory governance, the Task Force seeks to constantly evaluate the program and the platform through its own metrics and other means to assess its efficacy.

## TECHNICAL ANNEXES

### ANNEX A: ODP TASK FORCE AND PMO MEMBERS

The members of the ODP Task Force are:

Secretary Edwin Lacierda, Presidential Spokesperson and Task Force Chairperson  
Undersecretary Manuel L. Quezon III, representing PCDSPO  
Undersecretary Richard E. Moya, representing DBM

The ODP PMO is composed of the following:

Ms. Gisela Maria G. Banaag (OPS), Co-Lead Coordinator  
Mr. Gabriel Jess D. Baleos (DBM), Co-Lead Coordinator  
Ms. Joi Marie Angelica M. Indias (PCDSPO), Creatives Lead  
Ms. Ivygail I. Ong (DBM), Outreach Lead  
Mr. Jonathan F. Cuevas (PCDSPO), Technical Lead  
Ms. Gianne Karla M. Gaoiran (DBM), Data Lead  
Ms. Cherie Lynn B. Tan (PCDSPO), Creatives  
Ms. Camille O. Del Rosario (PCDSPO), Creatives  
Mr. Jan Aurel Nikolai M. Castro (DBM), Outreach  
Mr. Patrick Lim (DBM), OGP Point of Contact



ANNEX B. The News section of the website will contain updates from the government about the website, data.gov.ph, as well as the open data initiative of the national government. Users of the website and those interested in the activities of the government can see the latest information on Philippine national government and national government agency efforts to open data. **Apps:**

As new and innovative applications or “apps” are developed by the public and by other agencies, these applications will be featured on the Apps page of the website. Here, users can view applications and browse through them by topic and rating, while being able to provide feedback on applications they feel are laudable.

Please note that the applications themselves will not be hosted on data.gov.ph, and the page is merely meant to provide an easily browseable catalog of apps that use government data. Users will be able to click a link which will direct them to the website of the application they would like to download.

### **Community:**

An important part of the initiative is its emphasis on creating a community to engage around the opening up of government data. The community page acts as a forum where one can post about open data related topics and interact with fellow users. An active community would allow people to coordinate their own open data efforts, and perhaps even provide a venue by which the government can interact with developers, entrepreneurs, and other active users of data.

### **ANNEX C: HIGH VALUE DATASETS**

The program recognizes the items in the list below as high value datasets. 13

#### **DATA CATEGORY**

#### **EXAMPLE DATASETS**

Agriculture

Crops, fisheries

Earth observation

Weather, earthquakes, disaster management

Economy

Lead economic indicators, commodity prices, energy consumption

Education

Number of students per school, school performance

Environment

Pollution levels, greening programs

Geospatial

National and local maps, hazard maps, topography

Health

Hospital location and services, medicines

Infrastructure

National roads, tourist spots, broadband penetration

Public finance

National budget, government payroll, awarded contracts, tax revenue

Public safety

Crime statistics

Research

Experiment results, social science surveys

Social Welfare

Housing, conditional cash transfer programs

Statistics

National statistics, census

Transportation

Public transport timetables

## **Annex B. Description of the Project and Programs Information Exchange System (PPIES)**

The Project and Programs Information Exchange System (PPIES) contains the following modules/components:

- 1) The ODA Monitoring System (ODAMS) module tracks the physical and financial performance of ODA-assisted projects and programs, and is maintained by the Monitoring and Evaluation Staff (MES). It has a reports module that can generate the regular reports of MES, such as the project profiles, loans performance report, and regional matrix (the latter shows the status of projects and programs implemented in a particular region).
- 2) The Project Proposal Monitoring System (PPMS) module tracks the processing of projects and programs for ICC approval, and is maintained by the Public Investment Staff (PIS). It can generate the following reports – the project profile, chronology of events, proposed projects' status matrix, and ICC project appraisal monitoring report.
- 3) The Public Investment Program (PIP) module contains information on projects and programs included in the PIP for CY 2011-2016 and is maintained by PIS. The module generates the PIP in matrix form.
- 4) The Comprehensive and Integrated Infrastructure Program (CIIP) module contains information on projects and programs included in the CIIP for CY 2009-2016, and maintained by the Infrastructure Staff (IS).
- 5) A searchable public website retrieves and displays basic information on projects and programs (profile) as contained in the four modules. It likewise shows the total count of projects (pipeline or ongoing) by sector, implementing agency, funding source, status, and region.

### ***Problems and constraints***

Development of the first four modules were designed in such a way that each module has its own database structure, isolated and separate from the databases of the other modules. Given this, there is no single unique project ID maintained and observed by the four modules. In addition, project information which are common to the modules are not shared among the modules, and thus have to be inputted repeatedly when the project enters into another module. Meanwhile, the design of the web module (in terms of project information made available to the public) was conceptualized without reference to NEDA's disclosure policy as the latter was drafted after the consultancy has finished. These shortcomings are intended to be remedied by the Consulting Firm under this TOR.

### ***Current status***

The PPMS, PIP and CIIP modules are currently being used and populated by the respective NEDA staff who manages them. The same could not be said, however, for the ODAMS module since several bugs and errors severely limit said module's usefulness. In view of the remaining bugs and notwithstanding the completion of the contract between NEDA and the previous consultant, the two parties entered into a Memorandum of Agreement to formalize

the consultant's continued commitment to fix bugs and errors until 30 June 2014. Currently, bug fixing by the previous consultant is still ongoing, nevertheless fixing of these remaining bugs and errors (Annex E) shall be included in the scope of works of the Consulting Firm under this TOR.

## Annex C. List of Field per Module under the Current PPIES

### Data Fields in the Project Proposal Monitoring System of PPIES

Field	Data type	Remarks
Project Title	Text	
<b>1. Details</b>		
<b>1.1 General Info</b>		
Project Acronym	Text	
Source of Financing	Dropdown	
	<i>Local Funds</i>	
	<i>ODA</i>	
	<i>Hybrid</i>	
	<i>PPP</i>	
Financing Status	Dropdown	
	<i>Proposed</i>	
	<i>Soft Pipeline</i>	
	<i>Firm Pipeline</i>	
	<i>Committed</i>	
	<i>Dropped</i>	
Proposed Fund Type	Dropdown	
	<i>Loans</i>	
	<i>Grants</i>	
	<i>PSP/BOT</i>	
	<i>Others</i>	
	<i>Not Specified</i>	
	<i>Bid Plus Financing</i>	
Implementation Period Start Year	Numeric (Year)	
Implementation Period End Year	Numeric (Year)	
Description	Text	
Objective	Text	
Beneficiaries	Text	
Remarks	Text	
<b>1.2 Financial History</b>		
Date of PIS receipt of proposal	Date	
<b>1.2.1 Original Cost</b>		
Year submitted	Numeric (Year)	
Quarter Submitted	Dropdown	
	<i>1st</i>	
	<i>2nd</i>	
	<i>3rd</i>	
	<i>4th</i>	
ICC-able	Boolean	
LP/GP/PS financing (in PhP)	Numeric	
Total Project Cost (in PhP)	Numeric	
<b>1.2.1.1 Original Currency Details</b>		
Original currency	Dropdown (all currencies)	
Amount in Original currency	Numeric	

Field	Data type	Remarks
Currency to US\$1 =	Numeric	
US\$1 to PhP =	Numeric	
<b>1.2.2 Endorsed Cost</b>		
Year submitted	Numeric (Year)	
Quarter Submitted	Dropdown	
	<i>1st</i>	
	<i>2nd</i>	
	<i>3rd</i>	
<b>1.2.2 Endorsed Cost (cont.)</b>		
Quarter (cont.)	<i>4th</i>	
LP/GP/PS financing (in PhP)	Numeric	
GOP Counterpart (in PhP)	Numeric	
Other Cost (in PhP)	Numeric	
Total Endorsed Cost (in PhP)	Calculated	
<b>1.2.2.1 Original Currency Details</b>		
Original currency	Dropdown (all currencies)	
Amount in Original currency	Numeric	
Currency to US\$1 =	Numeric	
US\$1 to PhP =	Numeric	
<b>1.2.3 Committed Cost</b>		
Year submitted	Numeric (Year)	
Quarter Submitted	Dropdown	
	<i>1st</i>	
	<i>2nd</i>	
	<i>3rd</i>	
	<i>4th</i>	
LP/GP/PS financing (in PhP)	Numeric	
GOP Counterpart (in PhP)	Numeric	
Other Cost (in PhP)	Numeric	
Total Endorsed Cost (in PhP)	Calculated	
<b>1.2.3.1 Original Currency Details</b>		
Original currency	Dropdown (all currencies)	
Amount in Original currency	Numeric	
Currency to US\$1 =	Numeric	
US\$1 to PhP =	Numeric	
<b>1.3 Sector</b>		
Sector	Dropdown	
	<i>Infrastructure Development</i>	
	<i>Agriculture, Agrarian Reform, Environment and Natural Resources</i>	
	<i>Anti-corruption and Good Governance</i>	
	<i>Governance and Institutions Development</i>	
	<i>Local Governance/Decentralization</i>	

Field	Data type	Remarks
	<i>Others</i>	
	<i>Social Development</i>	
	<i>Trade and Investment</i>	
Sub-sector	Dropdown	
Sub sub-sector	Dropdown	
<b>1.4 Agency</b>		
Agency	Dropdown	Allows multiple record entry for the agency, and focal persons per agency
Involvement	Dropdown	
	<i>Implementing Agency</i>	
	<i>Executing Agency</i>	
Focal Person	Text	
Designation	Text	
Contact Address	Text	
Telephone No.	Text	
Fax No.	Text	
<b>1.4 Agency (cont.)</b>		
Email	Text	
<b>1.5 Coverage</b>		
Coverage Type	Dropdown	Allows multiple record entry for region, province, municipality
	<i>Specific Region</i>	
	<i>Inter-regional</i>	
	<i>Nationwide</i>	
Region	Dropdown	
Province	Dropdown	
Municipality	Dropdown	
Latitude	Numeric	
Longitude	Numeric	
<b>1.6 Chronology</b>		
Date	Date	Chronology - allows multiple record entry
Event	Text	
Select file for upload	File	
External viewing	Boolean	
<b>1.7 Evaluating Staff Office</b>		
Date Referred	Date	Evaluating Staff Office - allows multiple record entry
NEDA Staff/NRO	Dropdown	
Division	Text	
Focal Person	Text	
Involvement	Dropdown	
	<i>Lead</i>	
	<i>Co-evaluator</i>	

Field	Data type	Remarks
<b>2. ICC</b>		
<b>2.1 ICC Tracking</b>		
Date of sector's staff receipt of proposal	Date	
<b>2.1.1 Expected presentation date to TB</b>		
From	Date	
To	Date	
Days elapsed	Computed	
No. of reviews	Numeric	
<b>2.1.2 Expected presentation date to ICC-CC</b>		
From	Date	
To	Date	
Days elapsed	Computed	
No. of reviews	Numeric	
<b>2.1.3 Expected presentation date to NEDA with Board</b>		
From	Date	
To	Date	
Days elapsed	Computed	
No. of reviews	Numeric	
<b>2.1.4 ICC Tracking Details</b>		
Date	Date	ICC Tracking Details - allows multiple record entry
Level	Dropdown	
<b>2.1.4 ICC Tracking Details (cont.)</b>		
Level (cont.)	<i>ICC Secretariat</i>	
	<i>ICC TB</i>	
	<i>ICC CC</i>	
	<i>Joint ICC TB &amp; CC</i>	
	<i>NEDA Board</i>	
Status	Dropdown	
	<i>Endorsed</i>	
	<i>Deferred endorsement</i>	
	<i>Approved</i>	
	<i>Deferred</i>	
	<i>Confirmed</i>	
	<i>Remanded to Agency</i>	
	<i>Remanded to ICC TB</i>	
	<i>Noted</i>	
Actions	Text	
Conditions	Text	
Remarks	Text	
<b>2.2 ICC Component</b>		

Field	Data type	Remarks
Title	Text	ICC Component - allows multiple record entry
Total Cost (PhP)	Numeric	
Discount Rate (%)	Numeric	
IRR (%)	Numeric	
Hurdle Rate (%)	Numeric	
NPV (PhP)	Numeric	
Base Year	Numeric (Year)	
Select uploaded file	File	
Remarks	Text	
<b>2.3 PER</b>		
Date	Date	
Select file for upload	File	
Issues and concerns	Text	
Proponent's actions	Text	
Recommendation/action taken	Text	
<b>3. Loan Grants ODA</b>		
Funding Institution	Dropdown	Loan Grants ODA - allows multiple record entry
Mode of Assistance	Dropdown	
	<i>Loan</i>	
	<i>Grant</i>	
	<i>Commercial Loan</i>	
	<i>Mixed Credit</i>	
Form of Assistance	Dropdown	
	<i>Project</i>	
	<i>Program</i>	
	<i>Technical Assistance</i>	
	<i>Capital Assistance</i>	
	<i>TA/CA</i>	
	<i>TCP</i>	
	<i>TF</i>	
	<i>Follow-up TCP</i>	
	<i>PTTC</i>	
	<i>AD</i>	
	<i>ETDP</i>	
<b>3. Loan Grants ODA (cont.)</b>		
Form of Assistance (cont.)	<i>GA</i>	
Loan/Grant No	Text	
Original Currency Amount	Numeric	
Amount in USD	Numeric	
Orig to USD	Numeric	
Effectivity Date	Date	
Remarks	Text	
<b>4. Financing Details</b>		
Class	Dropdown	Allows multiple record entry



Field	Data type	Remarks
	<i>NG</i>	
	<i>GOCC</i>	
	<i>GFI</i>	
	<i>LGU</i>	
	<i>Others</i>	
Year	Numeric (Year)	
Cost (in PhP)	Numeric	
Total	Computed	
<b>5. Financing Details (PPP)</b>		
Sponsoring Agency	Text	
Private Proponent	Text	
Mode of Assistance	Dropdown	
	<i>Selected/Priority</i>	
	<i>Unsolicited</i>	
Variant Scheme	Dropdown	
	<i>Build-lease-transfer</i>	
	<i>Build-own-operate</i>	
	<i>Build-operate-transfer</i>	
	<i>Build-transfer</i>	
	<i>Build-transfer-operate</i>	
	<i>Contract-add-operate</i>	
	<i>Develop-operate-transfer</i>	
	<i>Rehabilitate-own-operate</i>	
	<i>Rehabilitate-operate-transfer</i>	
	<i>Joint venture</i>	
Gov't Exposure	Numeric	
Debt Ratio	Numeric	
Equity Ratio	Numeric	
PS Financing	Numeric	
Total Project Cost	Numeric	
Bidding Date	Date	
Contract Signing Date	Date	
Effectivity Date	Date	
Remarks	Text	
<b>6. Transaction</b>		
User	Autogenerated	log of user activity tracking the username, date, and details of record activity
Date	Autogenerated	
Details	Autogenerated	

### Data Fields in the ODA Monitoring System of PPIES

Fields	Data Type	Remarks
Project Title	Text	
<b>1. Project</b>		
<b>1.1 General Info</b>		
Project Acronym	Text	
Financing Type	Dropdown	
	<i>Combined ODA Financing</i>	
	<i>Purely ODA</i>	
	<i>Mixed Credit</i>	
Financing Status	Dropdown	
	<i>Signed</i>	
	<i>Newly Effective</i>	
	<i>Ongoing</i>	
	<i>Suspended</i>	
	<i>Cancelled</i>	
	<i>Closed</i>	
<b>1.1.1 Implementation Period</b>		
Start Date	Date	
Original Completion Date	Date	
Revised Completion Date	Date	
Description	Text	
Objective	Text	
Beneficiaries	Text	
Remarks	Text	
<b>1.2 Project Cost</b>		
<b>1.2.1 Original ICC-approved Cost</b>		
Loan Proceeds (in PhP)	Numeric	
Grant Proceeds (in PhP)	Numeric	
National Gov't Counterpart (in PhP)	Numeric	
LGU Counterpart (in PhP)	Numeric	
Other Cost (in PhP)	Numeric	
Total Cost (in PhP)	Computed	
<b>1.2.2 Loan Agreement Cost</b>		
Loan Proceeds (in PhP)	Numeric	
Grant Proceeds (in PhP)	Numeric	
National Gov't Counterpart (in PhP)	Numeric	
LGU Counterpart (in PhP)	Numeric	
Other Cost (in PhP)	Numeric	
Total Cost (in PhP)	Computed	
<b>1.2.3 Revised Project Cost</b>		
Loan Proceeds (in PhP)	Numeric	Revised Project Cost - allows multiple record entry
Grant Proceeds (in PhP)	Numeric	

Fields	Data Type	Remarks
National Gov't Counterpart (in PhP)	Numeric	
LGU Counterpart (in PhP)	Numeric	
Other Cost (in PhP)	Numeric	
Total Cost (in PhP)	Computed	
<b>1.3 Classification</b>		
GAD Classification	Dropdown	
	<i>A - Project is gender responsive</i>	
	<i>B - Project is gender sensitive</i>	
<b>1.3 Classification (cont.)</b>	<i>C - Project has promising GAD prospects</i>	
GAD Classification (cont.)	<i>D - Project is invisible in the proposed project</i>	
LGU Participation	Boolean	
Budget Dependent	Boolean	
MDFO Conduit	Boolean	
<b>1.3.1 16-Point Agenda</b>		
16-Point Agenda	Dropdown	Multiple record entry for 16-point agenda and corresponding cost allowed
	<i>Conducive environment for business growth</i>	
	<i>Corruption free nation</i>	
	<i>Depoliticized and professionalized civil service</i>	
	<i>Dignified and protected Overseas Filipinos</i>	
	<i>Education for all</i>	
	<i>Effective capacity and opportunity creation for the poor and marginalized</i>	
	<i>Equal gender opportunity</i>	
	<i>Fair and equal justice system</i>	
	<i>Impartial and strict enforcement of policies and laws</i>	
	<i>Job creation</i>	
	<i>Peaceful and productive Mindanao</i>	
	<i>Performance and merit-based government appointments</i>	
	<i>Productive and sustainable rural economy</i>	
	<i>Responsible and healthy population</i>	

Fields	Data Type	Remarks
	<i>Sustainable natural resources and improved environmental quality</i>	
	<i>Well-planned urban environment</i>	
Cost	Numeric	
<b>1.3.2 Millenium Development Goals</b>		
Millenium Development Goals	Dropdown	Multiple record entry for MDG, and corresponding project component, and cost allowed
	<i>Eradicate extreme poverty and hunger</i>	
	<i>Achieve universal primary education</i>	
	<i>Promote gender equality and empower women</i>	
	<i>Reduce child mortality</i>	
	<i>Improve maternal health</i>	
	<i>Combat HIV/AIDS, malaria and other diseases</i>	
	<i>Ensure environmental sustainability</i>	
	<i>Develop a global partnership for development</i>	
Project component	Dropdown (user-defined)	
Cost	Numeric	
<b>1.3.3 Climate Change</b>		
Climate Change	Dropdown	Multiple record entry for climate change, and corresponding project component, and cost allowed
	<i>Adaptation</i>	
	<i>Mitigation</i>	
<b>1.4 Components</b>		
Component	Text	Multiple record entry for components allowed
Description	Text	
Cost	Numeric	
Output Indicator	Dropdown (may be custom created)	Multiple record entries for output indicators per component allowed
Original Target	Numeric	

Fields	Data Type	Remarks
Revised Target	Numeric	
<b>1.5 Sector</b>		
Sector	Dropdown	
	<i>Infrastructure Development</i>	
	<i>Agriculture, Agrarian Reform, Environment and Natural Resources</i>	
	<i>Anti-corruption and Good Governance</i>	
	<i>Governance and Institutions Development</i>	
	<i>Local Governance/Decentralization</i>	
	<i>Others</i>	
	<i>Social Development</i>	
	<i>Trade and Investment</i>	
Sub-sector	Dropdown	
Sub sub-sector	Dropdown	
<b>1.6 Agency</b>		
Agency	Dropdown	
Involvement	Dropdown	
	<i>Implementing Agency</i>	
	<i>Executing Agency</i>	
Focal Person	Text	Multiple contact persons may be created per agency
Designation	Text	
Contact Address	Text	
Telephone No.	Text	
Fax No.	Text	
Email	Text	
<b>1.7 Coverage</b>		
Coverage Type	Dropdown	
	<i>Specific Region</i>	
	<i>Inter-regional</i>	
	<i>Nationwide</i>	
Remarks	Text	
Region	Dropdown	Multiple location records may be created
Province	Dropdown	
Municipality	Dropdown	
Latitude	Numeric	
<b>1.7 Coverage (cont.)</b>		
Longitude	Numeric	
<b>1.8 Project History</b>		

Fields	Data Type	Remarks
Date	Date	Multiple records of project milestones may be created
Event	Text	
<b>1.9 Transaction</b>		
User	Autogenerated	log of user activity tracking the username, date, and details of record manipulation/activity
Date	Autogenerated	
Details	Autogenerated	
<b>2. Financing</b>		
<b>2.1 Loan/Grant Information</b>		
Loan/Grant No.	Text	
Funding Source	Dropdown	
Mode of Assistance	Dropdown	
	<i>Loan</i>	
	<i>Grant</i>	
	<i>Commercial Loan</i>	
	<i>Mixed Credit</i>	
Form of Assistance	Dropdown	
	<i>Project</i>	
	<i>Program</i>	
	<i>Technical Assistance</i>	
	<i>Capital Assistance</i>	
	<i>TA/CA</i>	
	<i>TCP</i>	
	<i>TF</i>	
	<i>Follow-up TCP</i>	
	<i>PTTC</i>	
	<i>AD</i>	
	<i>ETDP</i>	
	<i>GA</i>	
Signing Date	Date	
Effectivity Date	Date	
Original Closing Date	Date	
Revised Closing Date	Date	
Currency	Numeric	
Amount in Original Currency	Numeric	
Amount in USD	Numeric	
Forex: USD per Original Currency	Numeric	
Forex: PhP per USD	Numeric	
Maturity Period (no. of years)	Numeric	
Grace Period (no. of years)	Numeric	
Interest Rate (% p.a.)	Numeric	
Interest Rate (other units)	Text	
Commitment Charges (%)	Numeric	

Fields	Data Type	Remarks
Service Charge	Numeric	
Maintenance Fee	Numeric	
Front End Fee	Numeric	
Other Fees/Charges	Numeric	
Description (Other Fees/Charges)	Text	
Remarks	Text	
<b>2.2 Loans Performance</b>		
Loan No.	Dropdown	
Year	Numeric	
Quarter	Dropdown	
	<i>1st</i>	
	<i>2nd</i>	
	<i>3rd</i>	
	<i>4th</i>	
Status	Dropdown	
	<i>Ongoing</i>	
	<i>Signed</i>	
	<i>Newly Effective</i>	
	<i>Suspended</i>	
	<i>Cancelled</i>	
	<i>Closed</i>	
Loan Amount	Numeric	
Target for the Quarter	Numeric	
Actual for the Quarter	Numeric	
Cumulative Target	Numeric	
Cumulative Actual	Numeric	
Cumulative Cancellation	Numeric	
Cancellation for the Quarter	Numeric	
<b>2.3 Grants Performance</b>		
Grant No.	Dropdown	
Year	Numeric	
Quarter	Dropdown	
	<i>1st</i>	
	<i>2nd</i>	
	<i>3rd</i>	
	<i>4th</i>	
Status	Dropdown	
	<i>Ongoing</i>	
	<i>Signed</i>	
	<i>Newly Effective</i>	
	<i>Suspended</i>	
	<i>Cancelled</i>	
	<i>Closed</i>	
Grant Amount in USD	Numeric	

Fields	Data Type	Remarks
Grant Amount in Donor's Currency	Numeric	
Cumulative Disbursement in USD	Numeric	
Cumulative Disbursement in Donor's Currency	Numeric	
Remarks	Text	
<b>2.4 Loan/Grant Categories</b>		
Loan/Grant No.	Dropdown	
Category	Dropdown (user-defined)	
Allocation (Orig. Currency)	Numeric	
Revised Allocation (Orig. Currency)	Numeric	
<b>3. Status</b>		
<b>3.1 Overall Status</b>		
Year	Numeric	
Quarter	Dropdown	
	<i>1st</i>	
	<i>2nd</i>	
	<i>3rd</i>	
<b>3.1 Overall Status (cont.)</b>		
Quarter (cont.)	<i>4th</i>	
Target Accomplishment (%)	Numeric	
Actual Accomplishment (%)	Numeric	
Cumulative Target Accomplishment (%)	Numeric	
Cumulative Actual Accomplishment (%)	Numeric	
Overall Status	Dropdown	
	<i>Ahead of Schedule</i>	
	<i>On Schedule</i>	
	<i>Behind Schedule</i>	
	<i>Completed</i>	
	<i>Closed Loan with Incomplete Outputs</i>	
Comments	Text	
<b>3.2 Status by Components</b>		
Year	Numeric	
Quarter	Dropdown	
	<i>1st</i>	
	<i>2nd</i>	
	<i>3rd</i>	
	<i>4th</i>	
Component	Dropdown (user-defined)	
Cumulative Target Accomplishment (%)	Numeric	



Fields	Data Type	Remarks
Cumulative Actual Accomplishment (%)	Numeric	
Overall Status	Text	
<b>3.3 Status by Region</b>		
Year	Numeric	
Quarter	Dropdown	
	<i>1st</i>	
	<i>2nd</i>	
	<i>3rd</i>	
	<i>4th</i>	
Region	Dropdown	
Regional Cost	Numeric	
Status	Text	
Component	Dropdown (user-defined)	Multiple records on accomplishment by components may be created per Region
Cost	Numeric	
Cumulative Target Accomplishment (%)	Numeric	
Cumulative Actual Accomplishment (%)	Numeric	
Slippage (%)	Computed	
Status	Text	
Output Indicator	Dropdown (user-defined)	Multiple records on accomplishment by output indicators may be created per component
Regional Cost	Numeric	
Original Target	Text	
Revised Target	Text	
Actual Outputs Provided/Delivered	Text	
<b>3.3 Status by Region (cont.)</b>		
Status	Text	
<b>4. Documents</b>		Soft copies of documents may be uploaded to the system
Date	Date	
Remarks	Text	
Document Title	Text	
Select file for upload	File	
<b>5. Contracts</b>		
<b>5.1 Contract Details</b>		
Contract Type	Dropdown	

Fields	Data Type	Remarks
	<i>Goods</i>	Multiple contract records allowed.
	<i>Consulting Services</i>	
	<i>Civil Works</i>	
Component	Dropdown (user-defined)	
Description	Text	
Contract Cost (PhP)	Numeric	
ICC Cost (PhP)	Numeric	
ABC Cost (PhP)	Numeric	
Mode of Procurement	Text	
Contract Start Date	Date	
Contract End Date	Date	
Duration (months)	Numeric	
Name of Contractor	Text	
Contractor Contact Details	Text	
Other Information	Text	
<b>5.2 Contract Milestone</b>		Multiple milestones allowed per contract.
Milestone	Text	
Original Date	Date	
Actual Date	Date	
<b>5.3 Contract Financing</b>		
Year	Numeric	
Quarter	Dropdown	
	<i>1st</i>	
	<i>2nd</i>	
	<i>3rd</i>	
	<i>4th</i>	
Current Amount	Numeric	
Remarks	Text	
<b>6. Framework</b>		soft copy of the project's logical framework shall be uploaded here.
Date	Date	
<b>7. Re-evaluation</b>		
<b>7.1 Details</b>		
ICC Secretariat's Review Date	Date	
ICC Technical Board Meeting Date	Date	
ICC Cabinet Committee Meeting Date	Date	
NEDA Board Confirmation Date	Date	
Agency Proposal	Text	
Secretariat Recommendation	Text	
ICC Action	Text	
<b>7.1 Details (cont.)</b>		

Fields	Data Type	Remarks
Remarks	Text	
Total Cost	Numeric	
Loan Proceeds	Numeric	
GOP Counterpart	Numeric	
Forex Rate (Php - US\$)	Numeric	
Revised Total Cost (Php)	Numeric	
Revised Loan Proceeds	Numeric	
Revised GOP Counterpart	Numeric	
<b>7.2 Economic</b>		Allows uploading of soft copies of spreadsheets of economic evaluations
Title	Text	
Total Cost (PhP)	Numeric	
Discount Rate (%)	Numeric	
IRR (%)	Numeric	
Hurdle Rate (%)	Numeric	
NPV (PhP)	Numeric	
Base Year	Numeric	
Remarks	Text	
<b>7.3 Financial</b>		Allows uploading of soft copies of spreadsheets of financial evaluations
Title	Text	
Total Cost (PhP)	Numeric	
Discount Rate (%)	Numeric	
IRR (%)	Numeric	
Hurdle Rate (%)	Numeric	
NPV (PhP)	Numeric	
Base Year	Numeric	
Remarks	Text	

### Data Fields in the Public Investment Program Module of PPIES

Field	Data type	Remarks
Project Title	Text	
<b>1. Project</b>		
<b>1.1 General Info</b>		
Program/Project Description	Text	
PDP Results Matrices (RM) Critical Indicators Addressed	Text	
Remarks	Text	
PAP Type	Dropdown	
	<i>New PAP</i>	
	<i>Continuing PAP</i>	
Project Type by Funding Source	Dropdown	Allows selection of multiple project types
	<i>Private Sector</i>	
	<i>NG - ODA Loan</i>	
	<i>NG - Locally Funded Project</i>	
	<i>GOCC/GFIs</i>	
	<i>LGU</i>	
	<i>ODA Grant</i>	
	<i>Combinations of Independent Project Types such as Hybrid: Private Sector, NG, ODA Loan, etc.</i>	
Status	Dropdown	
	<i>Proposed</i>	
	<i>Pipeline</i>	
	<i>Ongoing</i>	
	<i>Closed</i>	
PDP Chapter	Dropdown	
	<i>Chapter 1: In Pursuit of Inclusive Growth</i>	
	<i>Chapter 2: Macroeconomic Policy</i>	
	<i>Chapter 3: Competitive Industry &amp; Services Sectors</i>	
	<i>Chapter 4: Competitive and Sustainable Agriculture and Fisheries Sector</i>	
	<i>Chapter 5: Accelerating Infrastructure Development</i>	
	<i>Chapter 6: Towards a Resilient and Inclusive Financial Sector</i>	
	<i>Chapter 7: Good Governance and the Rule of Law</i>	
	<i>Chapter 8: Social Development</i>	
	<i>Chapter 9: Peace and Security</i>	

Field	Data type	Remarks
	<i>Chapter 10: Conservation, Protection and Rehabilitation of the Environment and Natural Resources</i>	
16 Point Agenda	Dropdown	
	<i>Conducive environment for business growth</i>	
	<i>Corruption free nation</i>	
	<i>Depoliticized and professionalized civil service</i>	
	<i>Dignified and protected Overseas Filipinos</i>	
	<i>Education for all</i>	
<b>1.1 General Info (cont.)</b>	<i>Effective capacity and opportunity creation for the poor &amp; marginalized</i>	
16 Point Agenda (cont.)	<i>Equal gender opportunity</i>	
	<i>Fair and equal justice system</i>	
	<i>Impartial and strict enforcement of policies and laws</i>	
	<i>Job creation</i>	
	<i>Peaceful and productive Mindanao</i>	
	<i>Performance and merit-based government appointments</i>	
	<i>Productive and sustainable rural economy</i>	
	<i>Responsible and healthy population</i>	
	<i>Sustainable natural resources and improved environmental quality</i>	
	<i>Well-planned urban environment</i>	
PIP Update Year	Numeric (Year)	
SONA Year	Numeric (Year)	
Implementation Period (Start Date)	Date	
Implementation Period (Completion Date)	Date	
Agency EER Ranking	Numeric	
EER Score	Numeric	
Financing Type	Dropdown	
	<i>Purely Public Financing</i>	
	<i>Combined ODA Financing</i>	
	<i>Private Sector Participation Financing</i>	
	<i>Purely Private Financing</i>	

Field	Data type	Remarks
LGU Participated	Boolean	
Total Project Cost	Numeric	
<b>1.2 Sectors</b>		
Sector	Dropdown	
	<i>Intersectoral</i>	
	<i>Infrastructure Development</i>	
	<i>Agriculture, Agrarian Reform, Environment and Natural Resources</i>	
	<i>Anti-corruption and Good Governance</i>	
	<i>Governance and Institutions Development</i>	
	<i>Local Governance/Decentralization</i>	
	<i>Others</i>	
	<i>Social Development</i>	
	<i>Trade and Investment</i>	
Sub sector	Dropdown	
Sub sub sector	Dropdown	
<b>1.3 Agency</b>		
Agency	Dropdown	
Involvement	Dropdown	
	<i>Implementing Agency</i>	
	<i>Executing Agency</i>	
Focal Person	Text	Multiple contact persons may be created per agency
Designation	Text	
Contact Address	Text	
Telephone No.	Text	
Fax No.	Text	
Email	Text	
<b>1.4 Coverage</b>		
Coverage Type	Dropdown	
	<i>Specific Region</i>	
	<i>Inter-regional</i>	
	<i>Nationwide</i>	
Region	Dropdown	Multiple location records may be created
Province	Dropdown	
Municipality	Dropdown	
Latitude	Numeric	
Longitude	Numeric	
<b>2. Multiple MDG</b>		

Field	Data type	Remarks
MDGs	Dropdown	Allows selection of multiple MDGs
	<i>Eradicate extreme poverty and hunger</i>	
	<i>Achieve universal primary education</i>	
	<i>Promote gender equality and empower women</i>	
	<i>Reduce child mortality</i>	
	<i>Improve maternal health</i>	
	<i>Combat HIV/AIDS, malaria and other diseases</i>	
	<i>Ensure environmental sustainability</i>	
	<i>Develop a global partnership for development</i>	
<b>3. References</b>		
Related Project	Dropdown (based on user inputted projects)	
Remarks	<i>Text</i>	
<b>4. Financing Details</b>		
<b>4.1 Purely Public Financing</b>		
Class	Dropdown	Allows multiple record entry per class/type of financing
	<i>NG</i>	
	<i>GOCC</i>	
	<i>GFI</i>	
	<i>LGU</i>	
	<i>Others</i>	
Year	Numeric (Year)	
Cost (in PhP)	Numeric	
Total	Computed	
<b>5. Transaction</b>		
User	Autogenerated	log of user activity tracking the username, date, and details of record manipulation/activity
Date	Autogenerated	
Details	Autogenerated	

## Data Fields in the Comprehensive and Integrated Infrastructure Program Module of PPIES

Field	Data type	Remarks
Project Title	Text	
PIP Enabled	Boolean	
<b>1. Details</b>		
Description	Text	
Output	Text	
Outcome	Text	
Implementation Period (Start Year)	Numeric (Year)	
Implementation Period (End Year)	Numeric (Year)	
Total Cost		
Created By		
Created On		
<b>2. Sector</b>		
Sector	Infrastructure Development	
Sub sector	Dropdown	
Sub sub sector	Dropdown	
<b>3. Agency</b>		
Agency	Dropdown	
Involvement	Dropdown	
	<i>Implementing Agency</i>	
	<i>Executing Agency</i>	
Focal Person	Text	Multiple contact persons may be created per agency
Designation	Text	
Contact Address	Text	
Telephone No.	Text	
Fax No.	Text	
Email	Text	
<b>4. Coverage</b>		
Coverage Type	Dropdown	
	<i>Specific Region</i>	
	<i>Inter-regional</i>	
	<i>Nationwide</i>	
	<i>To be determined</i>	
<b>5. Finance</b>		
Financing Type	Dropdown	
	<i>Purely Public Financing</i>	
	<i>ODA Financing</i>	
	<i>Private Sector Participation Financing</i>	
	<i>Purely Private Financing</i>	
<b>5.1 Purely Public Financing</b>		



Field	Data type	Remarks
Class	Dropdown	Allows multiple record entry per class/type of financing
	<i>NG</i>	
	<i>GOCC</i>	
	<i>GFI</i>	
	<i>LGU</i>	
	<i>Others</i>	
Year	Numeric (Year)	
Cost (in PhP)	Numeric	
Total	Computed	
<b>6. Status</b>		
Status	Dropdown	
	<i>Proposed</i>	
	<i>Ongoing</i>	
<b>6. Status (cont.)</b>	<i>Completed</i>	
Remarks	<i>Text</i>	Allows multiple entry for remarks
Date Updated	Autogenerated	
<b>7. Transaction</b>		
User	Autogenerated	log of user activity tracking the username, date, and details of record manipulation/activity
Date	Autogenerated	
Details	Autogenerated	

## **ANNEX D. PPIES DATABASE DOCUMENTATION**

## Introduction

This document aims to provide information on the structure of the database used by PPIES. For brevity, the following terms will be used throughout this document;

PPIES = the application that makes use of the database described in this document

PPIES DB = the database being described in this document

## Overview

PPIES DB was developed using Oracle 10g. It makes use of tables, views, indexes, procedures, functions, triggers, and synonyms for Oracle databases.

PPIES does not access the tables directly. It is not allowed to do selects, inserts, updates, or deletes on the tables. Rather, when retrieving data, it accesses the views that correspond to the tables it needs. For example, if it needs data about implementing agencies, it will call the view V\_AGENCIES, which in turn retrieves data from the AGENCIES table. For inserts, updates, or deletes, it will call the appropriate stored procedure. For example, if it needs to delete a project, it will call P\_DELETE\_PROJECT. Likewise, if it needs to insert a new CIIP project, it will call P\_INSERT\_CIIP\_PROJECT, and P\_UPDATE\_CIIP\_PROJECT if an update is needed.

Upon calling INSERT procedures, triggers are executed that automatically compute the ID, CREATE DATE, and LAST UPDATE DATE of the corresponding tables. This automatic computation is done with the help of sequences. Each table with a single unique id column will have its own sequence. For example, AGENCY table has a corresponding sequence named AGENCY\_SEQ. For instances where a sequence needs to be reset or reseeded, there is a procedure called RESEED\_SEQ that can be used. There is also a procedure called RESEED\_ALL\_SEQ that can be used for instances where all sequences need to be reseeded (for fresh database install). For UPDATES, only the LAST UPDATE DATE is computed and updated.

For every insert, update, and delete transaction done within the database, a record is added on to the table TRANSACTIONS, which acts as an audit trail for all of the transactions done on the database. It keeps track of the details of each transaction such as user id of whoever triggered the transaction, a brief summary of the action done, and when it was done.

## Naming Conventions

This sections describes the naming convention used for the objects within PPIES DB.

### Base Tables

Base Tables are named in plural form, i.e. AGENCIES, LOCATIONS, PROJECTS, etc. Unique identifier columns are named ID. Columns CREATED\_BY, CREATED\_ON, UPDATED\_BY, and UPDATED\_ON are available for all base tables. Foreign key columns within tables are named <Name of table being referred to>\_ID, i.e. LOCATION\_ID.

## Relationship Table

Relationship Tables are named in the following pattern, <TABLE1>\_<TABLE2>, i.e. PROJECT\_AGENCY. Columns CREATED\_BY, CREATED\_ON, UPDATED\_BY, and UPDATED\_ON are available for all relationship tables.

## Views

Views are prefixed with V\_, followed by the name of the table they correspond to, i.e. V\_AGENCIES. Some views are prefixed with V\_REPORT\_, which are views that are used by report modules in PPIES, or report functions in PPIES DB.

## Indexes

Primary key indexes are prefixed with PK\_. Constraints are prefixed with UC\_, and suffixed by the column it applies to. Both prefixes are followed by the table name the index applies to, i.e. PK\_AGENCIES, UC\_AGENCIES\_CODE.

## Procedures

Procedures used for inserts are prefixed with P\_INSERT\_, P\_UPDATE\_ for updates, and P\_DELETE for deletes. All are followed by the name of the table they apply to.

## Functions

Functions are mostly used for complex report modules like Disbursement Ratio per Implementing agency and the likes. These are prefixed with F\_, followed by the functionality it corresponds to.

## Triggers

Triggers are named after the tables they correspond to. They are suffixed with BRI, for before row inserts, and BRU, for before row updates.

## Types

These are user defined data types that are mainly used by functions. Also meant for complex report modules. Types are prefixed with T\_.

## Sequences

Sequences make use of the singular form of the name of the table they correspond to, i.e. AGENCY for AGENCIES, followed by suffix \_SEQ.

## Synonyms

Some synonyms were used for procedures and views that were meant for different modules, but basically have the same source table, i.e. V\_PPMS\_COVERAGETYPES, which is the same as V\_CIIP\_COVERAGETYPES.

## Table Definitions

The following define the columns, data types, and relationships of each of the tables in PPIES DB

Table Name: PROJECTS

Purpose: This is where all the projects are stored.

PPIES.PROJECTS		
P *	ID	NUMBER (10)
UF *	MODULE_ID	NUMBER (10)
U *	CODE	VARCHAR2 (20 CHAR)
	NAME	VARCHAR2 (1000 CHAR)
	DESCRIPTION	VARCHAR2 (4000 CHAR)
	OUTCOME	VARCHAR2 (4000 CHAR)
	OUTPUT	VARCHAR2 (4000 CHAR)
F	COVERAGETYPE_ID	NUMBER (10)
F	CURRENCY_ID	NUMBER (10)
	CURRENCYDATE	DATE
	FOREXRATE	NUMBER (19,4)
	NOTES	VARCHAR2 (4000 CHAR)
F	CLASS_ID	NUMBER (10)
	OBJECTIVES	VARCHAR2 (4000 CHAR)
	BENEFICIARIES	VARCHAR2 (4000 CHAR)
	REMARKS	VARCHAR2 (4000 CHAR)
	PISRECEIPTDATE	DATE
	GAD_ID	NUMBER (10)
	LGUPARTICIPATION	CHAR (1 CHAR)
	BUDGETDEPENDENT	CHAR (1 CHAR)
	MDFOCONDUIT	CHAR (1 CHAR)
F	MTPIPID	NUMBER (10)
	LASTUPDATEYEAR	NUMBER (4)
	PSA	VARCHAR2 (4000 CHAR)
	OVI	VARCHAR2 (4000 CHAR)
F	PRIORITYTYPE_ID	NUMBER (10)
	PRIORITY	VARCHAR2 (4000 CHAR)
F	PAPTYPE_ID	NUMBER (10)
F	PROJECTTYPE_ID	NUMBER (10)
F	CHAPTER_ID	NUMBER (10)
F	AGENDA_ID	NUMBER (10)
	MTPIUPDATEYEAR	NUMBER (4)
	SONAYEAR	NUMBER (4)
	EERRANKING	NUMBER (19,4)
	EERSCORE	NUMBER (19,4)
F	INSTITUTION_ID	NUMBER (10)
F	FUNDINGTYPE_ID	NUMBER (10)
	PROPOSALRECEIPTDATE	DATE
F	CREATED_BY	NUMBER (10)
	CREATED_ON	TIMESTAMP
F	UPDATED_BY	NUMBER (10)
	UPDATED_ON	TIMESTAMP
	TOTALCOST	NUMBER (19,4)
F	STATUS_ID	NUMBER (10)
	ACRONYM	VARCHAR2 (50 CHAR)
U *	ACTIVE	CHAR (1 CHAR)
F	PPPMODE_ID	NUMBER (10)
F	PPPScheme_ID	NUMBER (10)
F	PER_ID	NUMBER (10)
	ISARCHIVE	CHAR (1 BYTE)
	COSTESTIMATENOTES	VARCHAR2 (4000 BYTE)
	COVERAGEREMARKS	VARCHAR2 (4000 BYTE)
CC_PROJECTS_MODULEIDCODE (MODULE_ID, CODE, ACTIVE)		
PK_PROJECTS (ID)		
FK_PROJECTS_AGENDAS (AGENDA_ID)		
FK_PROJECTS_CHAPTERS (CHAPTER_ID)		
FK_PROJECTS_CLASSES (CLASS_ID)		
FK_PROJECTS_COVERAGETYPES (COVERAGETYPE_ID)		
FK_PROJECTS_CURRENCIES (CURRENCY_ID)		
FK_PROJECTS_FUNDINGTYPES (FUNDINGTYPE_ID)		
FK_PROJECTS_INSTITUTIONS (INSTITUTION_ID)		
FK_PROJECTS_MODULES (MODULE_ID)		
FK_PROJECTS_MTPID (MTPID)		
FK_PROJECTS_PAPTYPES (PAPTYPE_ID)		
FK_PROJECTS_PERS (PER_ID)		
FK_PROJECTS_PPPMODES (PPPMODE_ID)		
FK_PROJECTS_PPPSCHEMES (PPPScheme_ID)		
FK_PROJECTS_PRIORITYTYPES (PRIORITYTYPE_ID)		
FK_PROJECTS_PROJECTTYPES (PROJECTTYPE_ID)		
FK_PROJECTS_STATUSES (STATUS_ID)		
FK_PROJECTS_USERS_C (CREATED_BY)		
FK_PROJECTS_USERS_U (UPDATED_BY)		
PK_PROJECTS (ID)		
CC_PROJECTS_MODULEIDCODE (MODULE_ID, CODE, ACTIVE)		

Table Name: COSTS

Purpose:

PPIES.COSTS		
P *	ID	NUMBER (10)
F *	PROJECT_ID	NUMBER (10)
F	COSTTYPE_ID	NUMBER (10)
	COSTYEAR	NUMBER (4)
F	QUARTER_ID	NUMBER (10)
*	ICCABLE	CHAR (1 BYTE)
	TOTALCOST	NUMBER (19,4)
	OTHERCOST	NUMBER (19,4)
	LP	NUMBER (19,4)
	GP	NUMBER (19,4)
F	CURRENCY_ID	NUMBER (10)
	ORIGINALAMOUNT	NUMBER (19,4)
	CURRENCYTODOLLAR	NUMBER (19,4)
	DOLLARTOPESO	NUMBER (19,4)
	REASON	VARCHAR2 (4000 CHAR)
F	CREATED_BY	NUMBER (10)
	CREATED_ON	TIMESTAMP
F	UPDATED_BY	NUMBER (10)
	UPDATED_ON	TIMESTAMP
	NG	NUMBER (19,4)
	LGU	NUMBER (19,4)
	LPGPPS	NUMBER (19,4)
	GOP	NUMBER (19,4)
	FOREIGNCOST	NUMBER (19,4)
PK_COSTS (ID)		
FK_COSTS_COSTTYPES (COSTTYPE_ID)		
FK_COSTS_CURRENCIES (CURRENCY_ID)		
FK_COSTS_PROJECTS (PROJECT_ID)		
FK_COSTS_QUARTERS (QUARTER_ID)		
FK_COSTS_USERS_C (CREATED_BY)		
FK_COSTS_USERS_U (UPDATED_BY)		
PK_COSTS (ID)		

Table Name: COSTTYPES

Purpose:

PPIES.COSTTYPES		
P *	ID	NUMBER (10)
U *	NAME	VARCHAR2 (50 CHAR)
F	CREATED_BY	NUMBER (10)
	CREATED_ON	TIMESTAMP
F	UPDATED_BY	NUMBER (10)
	UPDATED_ON	TIMESTAMP
PK_COSTTYPES (ID)		
UC_COSTTYPES_NAME (NAME)		
FK_COSTTYPES_USERS_C (CREATED_BY)		
FK_COSTTYPES_USERS_U (UPDATED_BY)		
PK_COSTTYPES (ID)		
UC_COSTTYPES_NAME (NAME)		

Table Name: USERS

Purpose: This is where user accounts are stored

PPIES.USERS		
P	ID	NUMBER (10)
U	NAME	VARCHAR2 (150 CHAR)
	USERNAME	VARCHAR2 (15 CHAR)
	PASSWORD	VARCHAR2 (40 CHAR)
	ACTIVE	CHAR (1 CHAR)
F	CREATED_BY	NUMBER (10)
	CREATED_ON	TIMESTAMP
F	UPDATED_BY	NUMBER (10)
	UPDATED_ON	TIMESTAMP
PK_USERS (ID)		
UC_USERS_NAME (NAME)		
FK_USERS_USERS_C (CREATED_BY)		
FK_USERS_USERS_U (UPDATED_BY)		
PK_USERS (ID)		
UC_USERS_NAME (NAME)		



Table Name: FINANCINGDETAILS

Purpose: This is where info financing details for all projects are stored

PPIES.FINANCINGDETAILS	
P * ID	NUMBER (10)
UF * PROJECT_ID	NUMBER (10)
UF * CLASS_ID	NUMBER (10)
U * YEAR	NUMBER (4)
F INSTITUTION_ID	NUMBER (10)
UF LOCATION_ID	NUMBER (10)
U CODE	VARCHAR2 (50 CHAR)
SIGNINGDATE	DATE
EFFECTIVITYDATE	DATE
F CURRENCY_ID	NUMBER (10)
AFC	NUMBER (19,4)
CURRENCYTODOLLAR	NUMBER (19,4)
AMOUNT	NUMBER (19,4)
FOREXRATE	NUMBER (19,4)
MATURITYPERIOD	VARCHAR2 (50 CHAR)
GRACEPERIOD	VARCHAR2 (50 CHAR)
INTERESTRATE	VARCHAR2 (50 CHAR)
COMMITMENTCHARGES	NUMBER (19,4)
SERVICE	VARCHAR2 (4000 CHAR)
MAINTENANCE	VARCHAR2 (4000 CHAR)
FRONTEND	VARCHAR2 (4000 CHAR)
OTHERS	VARCHAR2 (4000 CHAR)
OTHERSDESCRIPTION	VARCHAR2 (4000 CHAR)
UNITSOFMEASURE	VARCHAR2 (50 CHAR)
REMARK	VARCHAR2 (4000 CHAR)
F CREATED_BY	NUMBER (10)
CREATED_ON	TIMESTAMP
F UPDATED_BY	NUMBER (10)
UPDATED_ON	TIMESTAMP
F MODE_ID	NUMBER (10)
F FORM_ID	NUMBER (10)
* ISODA	CHAR (1 CHAR)
* ISCANCELLED	CHAR (1 BYTE)
U ACTIVE	CHAR (1 BYTE)
PK_FDS (ID)	
UC_FDS_CODE (PROJECT_ID, CLASS_ID, YEAR, LOCATION_ID, CODE, ACTIVE)	
FK_FDS_CLASSES (CLASS_ID)	
FK_FDS_CURRENCIES (CURRENCY_ID)	
FK_FDS_FORMS (FORM_ID)	
FK_FDS_INSTITUTIONS (INSTITUTION_ID)	
FK_FDS_LOCATIONS (LOCATION_ID)	
FK_FDS_MODES (MODE_ID)	
FK_FDS_PROJECTS (PROJECT_ID)	
FK_FDS_USERS_C (CREATED_BY)	
FK_FDS_USERS_U (UPDATED_BY)	
PK_FDS (ID)	
UC_FDS_CODE (PROJECT_ID, CLASS_ID, YEAR, LOCATION_ID, CODE, ACTIVE)	

Table Name: GRANTS

Purpose: This holds records for grants for ppms projects

PPIES.GRANTS		
P *	ID	NUMBER (10)
F *	PROJECT_ID	NUMBER (10)
F	CREATED_BY	NUMBER (10)
	CREATED_ON	TIMESTAMP
F	UPDATED_BY	NUMBER (10)
	UPDATED_ON	TIMESTAMP
*	YEAR	NUMBER (4)
F *	INSTITUTION_ID	NUMBER (10)
F	FORM_ID	NUMBER (10)
F	QUARTER_ID	NUMBER (10)
F	FINANCINGDETAIL_ID	NUMBER (10)
PK_GRANTS (ID)		
FK_GRANTS_FDS (FINANCINGDETAIL_ID)		
FK_GRANTS_FORMS (FORM_ID)		
FK_GRANTS_INSTITUTIONS (INSTITUTION_ID)		
FK_GRANTS_PROJECTS (PROJECT_ID)		
FK_GRANTS_QUARTERS (QUARTER_ID)		
FK_GRANTS_USERS_C (CREATED_BY)		
FK_GRANTS_USERS_U (UPDATED_BY)		
PK_GRANTS (ID)		

Table Name: DISAGGREGATIONS

Purpose:

PPIES.DISAGGREGATIONS		
P *	ID	NUMBER (10)
F *	PROJECT_ID	NUMBER (10)
	YEAR	NUMBER (4)
F	QUARTER_ID	NUMBER (10)
F	PCDETAIL_ID	NUMBER (10)
F	CREATED_BY	NUMBER (10)
	CREATED_ON	TIMESTAMP
F	UPDATED_BY	NUMBER (10)
	UPDATED_ON	TIMESTAMP
F	OUTPUTINDICATOR_ID	NUMBER (10)
	REGIONALCOST	NUMBER (19,4)
	STATUS	VARCHAR2 (4000 CHAR)
	LOCATION_ID	NUMBER (10)
	CUMULATIVETARGET	NUMBER (10,4)
	CUMULATIVEACTUAL	NUMBER (10,4)
PK_DISAGG (ID)		
FK_DISAGGREGATIONS_OI (OUTPUTINDICATOR_ID)		
FK_DISAGGREGATIONS_PCDetails (PCDETAIL_ID)		
FK_DISAGG_PROJECTS (PROJECT_ID)		
FK_DISAGG_SEMESTERS (QUARTER_ID)		
FK_DISAGG_USERS_C (CREATED_BY)		
FK_DISAGG_USERS_U (UPDATED_BY)		
PK_DISAGG (ID)		

Table Name: PHYSICALSTATUSES

Purpose:

PPIES.PHYSICALSTATUSES		
P *	ID	NUMBER (10)
F *	PROJECT_ID	NUMBER (10)
	YEAR	NUMBER (4)
F	QUARTER_ID	NUMBER (10)
F	CREATED_BY	NUMBER (10)
	CREATED_ON	TIMESTAMP
F	UPDATED_BY	NUMBER (10)
	UPDATED_ON	TIMESTAMP
	TARGET_ACCOMPLISHMENT	NUMBER (19,4)
	ACTUAL_ACCOMPLISHMENT	NUMBER (19,4)
	CUMULATIVE_TARGET	NUMBER (19,4)
	CUMULATIVE_ACTUAL	NUMBER (19,4)
F	CATEGORY_ID	NUMBER (10)
	COMMENTS	VARCHAR2 (4000 BYTE)
	OVERALLSTATUS	VARCHAR2 (4000 BYTE)
PK_PHST (ID)		
FK_PHST_PROJECTS (PROJECT_ID)		
FK_PHST_QUARTERS (QUARTER_ID)		
FK_PHST_USERS_C (CREATED_BY)		
FK_PHST_USERS_U (UPDATED_BY)		
FK_PHYSICALSTATUSES_CATEGORIES (CATEGORY_ID)		
PK_PHST (ID)		

Table Name: AGENCYROLE

Purpose:

PPIES.IA_AGENCYROLE		
PF *	PROJECT_ID	NUMBER (10)
PF *	AGENCY_ID	NUMBER (10)
PF *	AGENCYROLE_ID	NUMBER (10)
F	CREATED_BY	NUMBER (10)
	CREATED_ON	TIMESTAMP
F	UPDATED_BY	NUMBER (10)
	UPDATED_ON	TIMESTAMP
PK_IAAR_AGENCYROLE (PROJECT_ID, AGENCY_ID, AGENCYROLE_ID)		
FK_IAAR_AGENCY (AGENCY_ID)		
FK_IAAR_AGENCYROLE (AGENCYROLE_ID)		
FK_IAAR_PROJECTS (PROJECT_ID)		
FK_IAAR_USERS_C (CREATED_BY)		
FK_IAAR_USERS_U (UPDATED_BY)		
PK_IAAR_AGENCYROLE (PROJECT_ID, AGENCY_ID, AGENCYROLE_ID)		

Table Name: ICCTTRACKINGDETAILS

Purpose:

PIES.ICCTTRACKINGDETAILS		
P *	ID	NUMBER (10)
F *	PROJECT_ID	NUMBER (10)
	EVALUATIONDATE	DATE
F	EVALUATIONLEVEL_ID	NUMBER (10)
F	ICCSTATUS_ID	NUMBER (10)
	ACTION	VARCHAR2 (4000 CHAR)
	CONDITION	VARCHAR2 (4000 CHAR)
	REMARK	VARCHAR2 (4000 CHAR)
F	CREATED_BY	NUMBER (10)
	CREATED_ON	TIMESTAMP
F	UPDATED_BY	NUMBER (10)
	UPDATED_ON	TIMESTAMP
PK_ICCTD (ID)		
FK_ICCTD_ELS (EVALUATIONLEVEL_ID)		
FK_ICCTD_ICCSTS (ICCSTATUS_ID)		
FK_ICCTD_PROJECTS (PROJECT_ID)		
FK_ICCTD_USERS_C (CREATED_BY)		
FK_ICCTD_USERS_U (UPDATED_BY)		
PK_ICCTD (ID)		

Table Name: LOANS

Purpose:

PIES.LOANS		
PF *	FINANCINGDETAIL_ID	NUMBER (10)
P *	YEAR	NUMBER (4)
PF *	QUARTER_ID	NUMBER (10)
	TD	NUMBER (23,4)
	AD	NUMBER (23,4)
	CUMULATIVE_TARGET	NUMBER (23,4)
	CUMULATIVE_ACTUAL	NUMBER (23,4)
	CANCELLATION_AMOUNT	NUMBER (23,4)
	AMOUNT	NUMBER (23,4)
F	STATUS_ID	NUMBER (10)
F	CREATED_BY	NUMBER (10)
	CREATED_ON	TIMESTAMP
F	UPDATED_BY	NUMBER (10)
	UPDATED_ON	TIMESTAMP
	REPORTINGDATE	DATE
PK_LOANS (FINANCINGDETAIL_ID, YEAR, QUARTER_ID)		
FK_LOANS_FINANCINGDETAILS (FINANCINGDETAIL_ID)		
FK_LOANS_QUARTERS (QUARTER_ID)		
FK_LOANS_STATUSES (STATUS_ID)		
FK_LOANS_USERS_C (CREATED_BY)		
FK_LOANS_USERS_U (UPDATED_BY)		
PK_LOANS (FINANCINGDETAIL_ID, YEAR, QUARTER_ID)		



Table Name: MOD\_USER\_AL

Purpose: This is a relationship table for user accounts.

PPIES.MOD_USER_AL		
PF*	MODULE_ID	NUMBER (10)
PF*	USER_ID	NUMBER (10)
F*	ACCESSLEVEL_ID	NUMBER (10)
	ACTIVE	CHAR (1 CHAR)
F	CREATED_BY	NUMBER (10)
	CREATED_ON	TIMESTAMP
F	UPDATED_BY	NUMBER (10)
	UPDATED_ON	TIMESTAMP
PK_MODUSERAL (MODULE_ID, USER_ID)		
FK_MODUSERAL_ACCESSLEVELS (ACCESSLEVEL_ID)		
FK_MODUSERAL_MODULES (MODULE_ID)		
FK_MODUSERAL_USERS (USER_ID)		
FK_MODUSERAL_USERS_C (CREATED_BY)		
FK_MODUSERAL_USERS_U (UPDATED_BY)		
PK_MODUSERAL (MODULE_ID, USER_ID)		

Table Name: PPPFINANCINGDETAILS

Purpose:

PPIES.PPPFINANCINGDETAILS		
P*	ID	NUMBER (10)
F*	PROJECT_ID	NUMBER (10)
	SPONSORINGAGENCY	VARCHAR2 (4000 CHAR)
	PRIVATEPROONENT	VARCHAR2 (4000 CHAR)
	GOVTEXPOSURE	NUMBER (19,4)
	DEBTRATIO	NUMBER (19,4)
	EQUITYRATIO	NUMBER (19,4)
	PSFINANCING	NUMBER (19,4)
	BIDDINGDATE	DATE
	SIGNINGDATE	DATE
	EFFECTIVITYDATE	DATE
	REMARK	VARCHAR2 (4000 CHAR)
F	CREATED_BY	NUMBER (10)
	CREATED_ON	TIMESTAMP
F	UPDATED_BY	NUMBER (10)
	UPDATED_ON	TIMESTAMP
F	PPPMODE_ID	NUMBER (10)
F	PPPScheme_ID	NUMBER (10)
PK_PPPFDS (ID)		
FK_PPPFDS_PPPMODES (PPPMODE_ID)		
FK_PPPFDS_PPPSchemes (PPPScheme_ID)		
FK_PPPFDS_PROJECTS (PROJECT_ID)		
FK_PPPFDS_USERS_C (CREATED_BY)		
FK_PPPFDS_USERS_U (UPDATED_BY)		
PK_PPPFDS (ID)		

Table Name: PROJECTPERS

Purpose:

PPIES.PROJECTPERS		
F *	PROJECT_ID	NUMBER (10)
F *	PERTYPE_ID	NUMBER (10)
F	CREATED_BY	NUMBER (10)
	CREATED_ON	TIMESTAMP
F	UPDATED_BY	NUMBER (10)
	UPDATED_ON	TIMESTAMP
	REMARK	VARCHAR2 (4000 CHAR)
	ATTACHMENT	VARCHAR2 (300 CHAR)
P *	ID	NUMBER (10)
F	PER_ID	NUMBER (10)
	PERDATE	DATE
PROJECTPERS_PK (ID)		
FK_PPERS_PERS (PER_ID)		
FK_PPERS_PERTYPES (PERTYPE_ID)		
FK_PPERS_PROJECTS (PROJECT_ID)		
FK_PPERS_USERS_C (CREATED_BY)		
FK_PPERS_USERS_U (UPDATED_BY)		
PROJECTPERS_PK (ID)		

Table Name: PROJECT\_CLIMATECHANGE

Purpose:

PPIES.PROJECT_CLIMATECHANGE		
PF *	PROJECT_ID	NUMBER (10)
PF *	CLIMATECHANGE_ID	NUMBER (10)
F	PCDETAIL_ID	NUMBER (10)
F	CREATED_BY	NUMBER (10)
	CREATED_ON	TIMESTAMP
F	UPDATED_BY	NUMBER (10)
	UPDATED_ON	TIMESTAMP
	COST	NUMBER (19,4)
PK_PROJECT_CLIMATECHANGE (PROJECT_ID, CLIMATECHANGE_ID)		
FK_PROJECTCC_CLIMATECHANGE (CLIMATECHANGE_ID)		
FK_PROJECTCC_PCDetail (PCDETAIL_ID)		
FK_PROJECTCC_PROJECTS (PROJECT_ID)		
FK_PROJECTCC_USERS_C (CREATED_BY)		
FK_PROJECTCC_USERS_U (UPDATED_BY)		
PK_PROJECT_CLIMATECHANGE (PROJECT_ID, CLIMATECHANGE_ID)		

Table Name: PROJECT\_MDG

Purpose:

PPIES.PROJECT_MDG		
PF*	PROJECT_ID	NUMBER (10)
PF*	MDG_ID	NUMBER (10)
F	CREATED_BY	NUMBER (10)
	CREATED_ON	TIMESTAMP
F	UPDATED_BY	NUMBER (10)
	UPDATED_ON	TIMESTAMP
	COST	NUMBER (19,4)
F	PCDETAIL_ID	NUMBER (10)
PK_PROJECT_MDG (PROJECT_ID, MDG_ID)		
FK_PROJECTMDG_MDG (MDG_ID)		
FK_PROJECTMDG_PCDetailID (PCDETAIL_ID)		
FK_PROJECTMDG_PROJECTS (PROJECT_ID)		
FK_PROJECTMDG_USERS_C (CREATED_BY)		
FK_PROJECTMDG_USERS_U (UPDATED_BY)		
PK_PROJECT_MDG (PROJECT_ID, MDG_ID)		

Table Name: PROJECT\_STAFF

Purpose:

PPIES.PROJECT_STAFF		
PF*	PROJECT_ID	NUMBER (10)
PF*	STAFF_ID	NUMBER (10)
	REFERREDDATE	DATE
	DIVISION	VARCHAR2 (250 CHAR)
	FOCALPERSON	VARCHAR2 (150 CHAR)
F	CREATED_BY	NUMBER (10)
	CREATED_ON	TIMESTAMP
F	UPDATED_BY	NUMBER (10)
	UPDATED_ON	TIMESTAMP
F	STAFFROLE_ID	NUMBER (10)
PK_PROJECT_STAFF (PROJECT_ID, STAFF_ID)		
FK_PROJECTSTAFF_PROJECTS (PROJECT_ID)		
FK_PROJECTSTAFF_STAFF (STAFF_ID)		
FK_PROJECTSTAFF_STAFFROLES (STAFFROLE_ID)		
FK_PROJECTSTAFF_USERS_C (CREATED_BY)		
FK_PROJECTSTAFF_USERS_U (UPDATED_BY)		
PK_PROJECT_STAFF (PROJECT_ID, STAFF_ID)		

Table Name: COSTS

Purpose: This is where funding institutions are stored

PPIES.INSTITUTIONS	
P * ID	NUMBER (10)
U * ACRONYM	VARCHAR2 (20 CHAR)
	NAME VARCHAR2 (150 CHAR)
F INSTITUTIONTYPE_ID	NUMBER (10)
	WEBSITE VARCHAR2 (100 CHAR)
	COUNTRY VARCHAR2 (100 CHAR)
F CURRENCY_ID	NUMBER (10)
* CA	CHAR (1 CHAR)
* TA	CHAR (1 CHAR)
* LOANS	CHAR (1 CHAR)
* GRANTS	CHAR (1 CHAR)
* MC	CHAR (1 CHAR)
F CREATED_BY	NUMBER (10)
	CREATED_ON TIMESTAMP
F UPDATED_BY	NUMBER (10)
	UPDATED_ON TIMESTAMP
PK_INSTITUTIONS (ID)	
UC_INST_ACRONYM (ACRONYM)	
FK_INST_CURRENCIES (CURRENCY_ID)	
FK_INST_INSTITUTIONTYPES (INSTITUTIONTYPE_ID)	
FK_INST_USERS_C (CREATED_BY)	
FK_INST_USERS_U (UPDATED_BY)	
PK_INSTITUTIONS (ID)	
UC_INST_ACRONYM (ACRONYM)	

Table Name: CONTRACTS

Purpose:

PPIES.CONTRACTS	
P * ID	NUMBER (10)
F PCDETAIL_ID	NUMBER (10)
F CONTRACTTYPE_ID	NUMBER (10)
	DESCRIPTION VARCHAR2 (4000 CHAR)
	COST NUMBER (19,4)
	ICCCOST NUMBER (19,4)
	ABCCOST NUMBER (19,4)
	OTHERINFORMATION VARCHAR2 (4000 CHAR)
F CREATED_BY	NUMBER (10)
	CREATED_ON TIMESTAMP
F UPDATED_BY	NUMBER (10)
	UPDATED_ON TIMESTAMP
	PROCUREMENT VARCHAR2 (4000 BYTE)
	STARTDATE DATE
	ENDDATE DATE
	DURATION NUMBER (10,4)
	CONTRACTOR VARCHAR2 (4000 BYTE)
	CONTRACTORDETAILS VARCHAR2 (4000 BYTE)
PK_CONTRACTS (ID)	
FK_CONTRACTS_CONTRACTTYPES (CONTRACTTYPE_ID)	
FK_CONTRACTS_PCDetails (PCDETAIL_ID)	
FK_CONTRACTS_USERS_C (CREATED_BY)	
FK_CONTRACTS_USERS_U (UPDATED_BY)	
PK_CONTRACTS (ID)	



Table Name: CONTRACTFINANCINGS

Purpose:

PPIES.CONTRACTFINANCINGS	
PF* CONTRACT_ID	NUMBER (10)
P * YEAR	NUMBER (4)
PF* QUARTER_ID	NUMBER (10)
AMOUNT	NUMBER (19,4)
REMARK	VARCHAR2 (4000 BYTE)
F CREATED_BY	NUMBER (10)
CREATED_ON	TIMESTAMP
F UPDATED_BY	NUMBER (10)
UPDATED_ON	TIMESTAMP
PK_CF (CONTRACT_ID, YEAR, QUARTER_ID)	
FK_CF_CONTRACTS (CONTRACT_ID)	
FK_CF_QUARTERS (QUARTER_ID)	
FK_CF_USERS_C (CREATED_BY)	
FK_CF_USERS_U (UPDATED_BY)	
PK_CF (CONTRACT_ID, YEAR, QUARTER_ID)	

Table Name: COSTS

Purpose: DALOCATIONS

PPIES.DALOCATIONS	
PF* DISAGGREGATION_ID	NUMBER (10)
PF* LOCATION_ID	NUMBER (10)
F CREATED_BY	NUMBER (10)
CREATED_ON	TIMESTAMP
F UPDATED_BY	NUMBER (10)
UPDATED_ON	TIMESTAMP
PK_DALOCATIONS (DISAGGREGATION_ID, LOCATION_ID)	
FK_DALOCATIONS_DAS (DISAGGREGATION_ID)	
FK_DALOCATIONS_LOCATIONS (LOCATION_ID)	
FK_DALOCATIONS_USERS_C (CREATED_BY)	
FK_DALOCATIONS_USERS_U (UPDATED_BY)	
PK_DALOCATIONS (DISAGGREGATION_ID, LOCATION_ID)	

Table Name: COSTS

Purpose: FD\_CATEGORY

PPIES.FD_CATEGORY		
PF*	FINANCINGDETAIL_ID	NUMBER (10)
PF*	CATEGORY_ID	NUMBER (10)
	ALLOCATION	NUMBER (19,4)
	REVISEDALLOCATION	NUMBER (19,4)
F	CREATED_BY	NUMBER (10)
	CREATED_ON	TIMESTAMP
F	UPDATED_BY	NUMBER (10)
	UPDATED_ON	TIMESTAMP
PK_FDCATEGORY (FINANCINGDETAIL_ID, CATEGORY_ID)		
FK_FDCATEGORY_CATEGORY (CATEGORY_ID)		
FK_FDCATEGORY_FINANCINGDETAILS (FINANCINGDETAIL_ID)		
FK_FDCATEGORY_USERS_C (CREATED_BY)		
FK_FDCATEGORY_USERS_U (UPDATED_BY)		
PK_FDCATEGORY (FINANCINGDETAIL_ID, CATEGORY_ID)		

Table Name: GRANTDETAILS

Purpose:

PPIES.GRANTDETAILS		
P *	ID	NUMBER (10)
F *	GRANT_ID	NUMBER (10)
	REPORTINGDATE	DATE
	AMOUNT	NUMBER (19,4)
	AMOUNTDONOR	NUMBER (19,4)
	DISBURSEMENT	NUMBER (19,4)
F	STATUS_ID	NUMBER (10)
	REMARK	VARCHAR2 (4000 CHAR)
F	CREATED_BY	NUMBER (10)
	CREATED_ON	TIMESTAMP
F	UPDATED_BY	NUMBER (10)
	UPDATED_ON	TIMESTAMP
	CUMULATIVE_ACTUAL	NUMBER (19,4)
	CUMULATIVE_TARGET	NUMBER (19,4)
	CANCELLATION_AMOUNT	NUMBER (19,4)
PK_GRANTDETAILS (ID)		
FK_GRANTDETAILS_GRANTS (GRANT_ID)		
FK_GRANTDETAILS_STATUSES (STATUS_ID)		
FK_GRANTDETAILS_USERS_C (CREATED_BY)		
FK_GRANTDETAILS_USERS_U (UPDATED_BY)		
PK_GRANTDETAILS (ID)		

Table Name: COSTS

Purpose: ICCCOMPONENTS

PPIES.ICCCOMPONENTS		
P *	ID	NUMBER (10)
F *	PROJECT_ID	NUMBER (10)
	COMPONENT	VARCHAR2 (4000 CHAR)
	TOTALCOST	NUMBER (19,4)
	HURDLERATE	NUMBER (19,4)
	EIRR	NUMBER (19,4)
	FIRR	NUMBER (19,4)
	WACC	NUMBER (19,4)
	NPV	NUMBER (19,4)
	REMARK	VARCHAR2 (4000 CHAR)
	FILENAME	VARCHAR2 (100 CHAR)
F	CREATED_BY	NUMBER (10)
	CREATED_ON	TIMESTAMP
F	UPDATED_BY	NUMBER (10)
	UPDATED_ON	TIMESTAMP
F	ICCCOMPONENTTYPE_ID	NUMBER (10)
	DISCOUNTRATE	NUMBER (19,4)
	BASEYEAR	NUMBER (4)
	ISECONOMIC	CHAR (1 BYTE)
PK_ICCCOMPONENTS (ID)		
FK_ICCCOMPONENTS_ICCCTS (ICCCOMPONENTTYPE_ID)		
FK_ICCCOMPONENTS_PROJECTS (PROJECT_ID)		
FK_ICCCOMPONENTS_USERS_C (CREATED_BY)		
FK_ICCCOMPONENTS_USERS_U (UPDATED_BY)		
PK_ICCCOMPONENTS (ID)		

Table Name: ICCTrackings

Purpose:

PPIES.ICCTrackings		
PF *	PROJECT_ID	NUMBER (10)
PF *	ICCTrackINGTYPE_ID	NUMBER (10)
	FROMDATE	DATE
	TODATE	DATE
	ACTUALDATE	DATE
	NUMBEROFREVIEWS	NUMBER (19,4)
	DAYSELAPSED	NUMBER (19,4)
F	CREATED_BY	NUMBER (10)
	CREATED_ON	TIMESTAMP
F	UPDATED_BY	NUMBER (10)
	UPDATED_ON	TIMESTAMP
PK_ICCTrackings (PROJECT_ID, ICCTrackINGTYPE_ID)		
FK_ICCT_ICCTrackINGTYPE (ICCTrackINGTYPE_ID)		
FK_ICCT_PROJECTS (PROJECT_ID)		
FK_ICCT_USERS_C (CREATED_BY)		
FK_ICCT_USERS_U (UPDATED_BY)		
PK_ICCTrackings (PROJECT_ID, ICCTrackINGTYPE_ID)		

Table Name: MODULE\_CLASSTYPE

Purpose:

PPIES.MODULE_CLASSTYPE		
PF*	MODULE_ID	NUMBER (10)
PF*	CLASSTYPE_ID	NUMBER (10)
F	CREATED_BY	NUMBER (10)
	CREATED_ON	TIMESTAMP
F	UPDATED_BY	NUMBER (10)
	UPDATED_ON	TIMESTAMP
PK_MODULE_CLASSTYPE (MODULE_ID, CLASSTYPE_ID)		
FK_MODULECLASSTYPE_CLASSTYPES (CLASSTYPE_ID)		
FK_MODULECLASSTYPE_MODULES (MODULE_ID)		
FK_MODULECLASSTYPE_USERS_C (CREATED_BY)		
FK_MODULECLASSTYPE_USERS_U (UPDATED_BY)		
PK_MODULE_CLASSTYPE (MODULE_ID, CLASSTYPE_ID)		

Table Name: MODULE\_COVERAGETYPE

Purpose:

PPIES.MODULE_COVERAGETYPE		
PF*	MODULE_ID	NUMBER (10)
PF*	COVERAGETYPE_ID	NUMBER (10)
	ARRANGEMENT	NUMBER (4)
F	CREATED_BY	NUMBER (10)
	CREATED_ON	TIMESTAMP
F	UPDATED_BY	NUMBER (10)
	UPDATED_ON	TIMESTAMP
PK_MODULE_COVERAGETYPE (MODULE_ID, COVERAGETYPE_ID)		
FK_MCOVT_COVERAGETYPES (COVERAGETYPE_ID)		
FK_MCOVT_MODULES (MODULE_ID)		
FK_MCOVT_USERS_C (CREATED_BY)		
FK_MCOVT_USERS_U (UPDATED_BY)		
PK_MODULE_COVERAGETYPE (MODULE_ID, COVERAGETYPE_ID)		

Table Name: MODULE\_FORM

Purpose:

PPIES.MODULE_FORM		
PF*	MODULE_ID	NUMBER (10)
PF*	FORM_ID	NUMBER (10)
F	CREATED_BY	NUMBER (10)
	CREATED_ON	TIMESTAMP
F	UPDATED_BY	NUMBER (10)
	UPDATED_ON	TIMESTAMP
PK_MODULE_FORM (MODULE_ID, FORM_ID)		
FK_MODULEFORM_FORMS (FORM_ID)		
FK_MODULEFORM_MODULES (MODULE_ID)		
FK_MODULEFORM_USERS_C (CREATED_BY)		
FK_MODULEFORM_USERS_U (UPDATED_BY)		
PK_MODULE_FORM (MODULE_ID, FORM_ID)		



Table Name: MODULE\_PROJECTTYPE

Purpose:

PPIES.MODULE_PROJECTTYPE		
PF*	MODULE_ID	NUMBER (10)
PF*	PROJECTTYPE_ID	NUMBER (10)
F	CREATED_BY	NUMBER (10)
	CREATED_ON	TIMESTAMP
F	UPDATED_BY	NUMBER (10)
	UPDATED_ON	TIMESTAMP
PK_MODULE_PROJECTTYPE (MODULE_ID, PROJECTTYPE_ID)		
FK_MPT_MODULES (MODULE_ID)		
FK_MPT_PROJECTTYPES (PROJECTTYPE_ID)		
FK_MPT_USERS_C (CREATED_BY)		
FK_MPT_USERS_U (UPDATED_BY)		
PK_MODULE_PROJECTTYPE (MODULE_ID, PROJECTTYPE_ID)		

Table Name: MODULE\_STATUS

Purpose:

PPIES.MODULE_STATUS		
PF*	MODULE_ID	NUMBER (10)
PF*	STATUS_ID	NUMBER (10)
F	CREATED_BY	NUMBER (10)
	CREATED_ON	TIMESTAMP
F	UPDATED_BY	NUMBER (10)
	UPDATED_ON	TIMESTAMP
	ARRANGEMENT	NUMBER (4)
PK_MODULE_STATUS (MODULE_ID, STATUS_ID)		
FK_MODULESTATUS_MODULES (MODULE_ID)		
FK_MODULESTATUS_STATUSES (STATUS_ID)		
FK_MODULESTATUS_USERS_C (CREATED_BY)		
FK_MODULESTATUS_USERS_U (UPDATED_BY)		
PK_MODULE_STATUS (MODULE_ID, STATUS_ID)		

Table Name: PCDETAIL\_OUTPUTINDICATOR

Purpose:

PPIES.PCDETAIL_OUTPUTINDICATOR		
PF*	PCDETAIL_ID	NUMBER (10)
PF*	OUTPUTINDICATOR_ID	NUMBER (10)
F	CREATED_BY	NUMBER (10)
	CREATED_ON	TIMESTAMP
F	UPDATED_BY	NUMBER (10)
	UPDATED_ON	TIMESTAMP
	ORIGINALTARGET	NUMBER (19,4)
	REVISEDTARGET	NUMBER (19,4)
	TOTALCOST	NUMBER (19,4)
PK_PCDOI (PCDETAIL_ID, OUTPUTINDICATOR_ID)		
FK_PCDOI_OUTPUTINDICATOR (OUTPUTINDICATOR_ID)		
FK_PCDOI_PCDetails (PCDETAIL_ID)		
FK_PCDOI_USERS_C (CREATED_BY)		
FK_PCDOI_USERS_U (UPDATED_BY)		
PK_PCDOI (PCDETAIL_ID, OUTPUTINDICATOR_ID)		

Table Name: PROJECT\_AGENCY

Purpose:

PPIES.PROJECT_AGENCY		
PF*	PROJECT_ID	NUMBER (10)
PF*	AGENCY_ID	NUMBER (10)
	INVOLVEMENT	VARCHAR2 (100 CHAR)
F	CREATED_BY	NUMBER (10)
	CREATED_ON	TIMESTAMP
F	UPDATED_BY	NUMBER (10)
	UPDATED_ON	TIMESTAMP
PK_PROJECT_AGENCY (PROJECT_ID, AGENCY_ID)		
FK_PROJECTAGENCY_AGENCY (AGENCY_ID)		
FK_PROJECTAGENCY_PROJECTS (PROJECT_ID)		
FK_PROJECTAGENCY_USERS_C (CREATED_BY)		
FK_PROJECTAGENCY_USERS_U (UPDATED_BY)		
PK_PROJECT_AGENCY (PROJECT_ID, AGENCY_ID)		

Table Name: PROJECT\_AGENDA

Purpose:

PPIES.PROJECT_AGENDA		
PF*	PROJECT_ID	NUMBER (10)
PF*	AGENDA_ID	NUMBER (10)
F	CREATED_BY	NUMBER (10)
	CREATED_ON	TIMESTAMP
F	UPDATED_BY	NUMBER (10)
	UPDATED_ON	TIMESTAMP
	COST	NUMBER (19,4)
PK_PROJECT_AGENDA (PROJECT_ID, AGENDA_ID)		
FK_PROJECTAGENDA_AGENDA (AGENDA_ID)		
FK_PROJECTAGENDA_PROJECTS (PROJECT_ID)		
FK_PROJECTAGENDA_USERS_C (CREATED_BY)		
FK_PROJECTAGENDA_USERS_U (UPDATED_BY)		
PK_PROJECT_AGENDA (PROJECT_ID, AGENDA_ID)		

Table Name: PROJECT\_CONTACT

Purpose:

PPIES.PROJECT_CONTACT		
PF*	PROJECT_ID	NUMBER (10)
PF*	CONTACT_ID	NUMBER (10)
F	CREATED_BY	NUMBER (10)
	CREATED_ON	TIMESTAMP
F	UPDATED_BY	NUMBER (10)
	UPDATED_ON	TIMESTAMP
PK_PROJECT_CONTACT (PROJECT_ID, CONTACT_ID)		
FK_PROJECTCONTACT_CONTACTS (CONTACT_ID)		
FK_PROJECTCONTACT_PROJECTS (PROJECT_ID)		
FK_PROJECTCONTACT_USERS_C (CREATED_BY)		
FK_PROJECTCONTACT_USERS_U (UPDATED_BY)		
PK_PROJECT_CONTACT (PROJECT_ID, CONTACT_ID)		

Table Name: PROJECT\_INSTITUTION

Purpose:

PPIES.PROJECT_INSTITUTION		
PF*	PROJECT_ID	NUMBER (10)
PF*	INSTITUTION_ID	NUMBER (10)
F	CREATED_BY	NUMBER (10)
	CREATED_ON	TIMESTAMP
F	UPDATED_BY	NUMBER (10)
	UPDATED_ON	TIMESTAMP
	ISFACILITIES	CHAR (1 BYTE)
PK_PROJECT_INSTITUTION (PROJECT_ID, INSTITUTION_ID)		
FK_PROJECTINST_INSTITUTION (INSTITUTION_ID)		
FK_PROJECTINST_PROJECTS (PROJECT_ID)		
FK_PROJECTINST_USERS_C (CREATED_BY)		
FK_PROJECTINST_USERS_U (UPDATED_BY)		
PK_PROJECT_INSTITUTION (PROJECT_ID, INSTITUTION_ID)		

Table Name: PROJECT\_LOCATION

Purpose:

PPIES.PROJECT_LOCATION		
PF*	PROJECT_ID	NUMBER (10)
PF*	LOCATION_ID	NUMBER (10)
F	CREATED_BY	NUMBER (10)
	CREATED_ON	TIMESTAMP
F	UPDATED_BY	NUMBER (10)
	UPDATED_ON	TIMESTAMP
	LATITUDE	VARCHAR2 (50 CHAR)
	LONGITUDE	VARCHAR2 (50 CHAR)
PK_PROJECT_LOCATION (PROJECT_ID, LOCATION_ID)		
FK_PROJECTLOCATION_LOCATION (LOCATION_ID)		
FK_PROJECTLOCATION_PROJECTS (PROJECT_ID)		
FK_PROJECTLOCATION_USERS_C (CREATED_BY)		
FK_PROJECTLOCATION_USERS_U (UPDATED_BY)		
PK_PROJECT_LOCATION (PROJECT_ID, LOCATION_ID)		

Table Name: PROJECT\_SECTOR

Purpose:

PPIES.PROJECT_SECTOR		
PF*	PROJECT_ID	NUMBER (10)
PF*	SECTOR_ID	NUMBER (10)
F	CREATED_BY	NUMBER (10)
	CREATED_ON	TIMESTAMP
F	UPDATED_BY	NUMBER (10)
	UPDATED_ON	TIMESTAMP
PK_PROJECT_SECTOR (PROJECT_ID, SECTOR_ID)		
FK_PROJECTSECTOR_PROJECTS (PROJECT_ID)		
FK_PROJECTSECTOR_SECTOR (SECTOR_ID)		
FK_PROJECTSECTOR_USERS_C (CREATED_BY)		
FK_PROJECTSECTOR_USERS_U (UPDATED_BY)		
PK_PROJECT_SECTOR (PROJECT_ID, SECTOR_ID)		

Table Name: REFERENCES

Purpose:

PPIES.REFERENCES		
PF*	PROJECT_ID1	NUMBER (10)
PF*	PROJECT_ID2	NUMBER (10)
	REMARK	VARCHAR2 (4000 CHAR)
F	CREATED_BY	NUMBER (10)
	CREATED_ON	TIMESTAMP
F	UPDATED_BY	NUMBER (10)
	UPDATED_ON	TIMESTAMP
PK_REFERENCES (PROJECT_ID1, PROJECT_ID2)		
FK_REFERENCES_PROJECTS1 (PROJECT_ID1)		
FK_REFERENCES_PROJECTS2 (PROJECT_ID2)		
FK_REFERENCES_USERS_C (CREATED_BY)		
FK_REFERENCES_USERS_U (UPDATED_BY)		
PK_REFERENCES (PROJECT_ID1, PROJECT_ID2)		

Table Name: PCDETAILS

Purpose:

PPIES.PCDETAILS		
P*	ID	NUMBER (10)
F*	PC_ID	NUMBER (10)
	COMPONENT	VARCHAR2 (4000 CHAR)
	DESCRIPTION	VARCHAR2 (4000 CHAR)
F	CREATED_BY	NUMBER (10)
	CREATED_ON	TIMESTAMP
F	UPDATED_BY	NUMBER (10)
	UPDATED_ON	TIMESTAMP
	COST	NUMBER (19,4)
PK_PCDetails (ID)		
FK_PCDetails_PCS (PC_ID)		
FK_PCDetails_USERS_C (CREATED_BY)		
FK_PCDetails_USERS_U (UPDATED_BY)		
PK_PCDetails (ID)		



Table Name: AGENCIES

Purpose:

PPIES.AGENCIES		
P *	ID	NUMBER (10)
U *	CODE	VARCHAR2 (200 CHAR)
	NAME	VARCHAR2 (450 CHAR)
F *	AGENCYTYPE_ID	NUMBER (10)
	HEAD	VARCHAR2 (100 CHAR)
	MOTHERAGENCY	VARCHAR2 (15 CHAR)
	ADDRESS	VARCHAR2 (100 CHAR)
	TELEPHONE	VARCHAR2 (50 CHAR)
	FAX	VARCHAR2 (50 CHAR)
	WEBSITE	VARCHAR2 (100 CHAR)
	EMAIL	VARCHAR2 (50 CHAR)
F	CREATED_BY	NUMBER (10)
	CREATED_ON	TIMESTAMP
F	UPDATED_BY	NUMBER (10)
	UPDATED_ON	TIMESTAMP
PK_AGENCIES (ID)		
UC_AGENCIES_CODE (CODE)		
FK_AGENCIES_AGENCYTYPES (AGENCYTYPE_ID)		
FK_AGENCIES_USERS_C (CREATED_BY)		
FK_AGENCIES_USERS_U (UPDATED_BY)		
PK_AGENCIES (ID)		
UC_AGENCIES_CODE (CODE)		

Table Name: LOCATIONS

Purpose:

PPIES.LOCATIONS		
P *	ID	NUMBER (10)
U *	CODE	VARCHAR2 (20 CHAR)
U	NAME	VARCHAR2 (150 CHAR)
	CLASS	VARCHAR2 (20 CHAR)
UF *	LOCATIONTYPE_ID	NUMBER (10)
UF	PARENT_ID	NUMBER (10)
F	CREATED_BY	NUMBER (10)
	CREATED_ON	TIMESTAMP
F	UPDATED_BY	NUMBER (10)
	UPDATED_ON	TIMESTAMP
	NAME2	VARCHAR2 (200 BYTE)
PK_LOCATIONS (ID)		
UC_LOCATIONS_CODE (CODE)		
UC_LOCATIONS_LTID-PID-NAME (LOCATIONTYPE_ID, PARENT_ID, NAME)		
FK_LOCATIONS_LOCATIONS (PARENT_ID)		
FK_LOCATIONS_LOCATIONTYPES (LOCATIONTYPE_ID)		
FK_LOCATIONS_USERS_C (CREATED_BY)		
FK_LOCATIONS_USERS_U (UPDATED_BY)		
PK_LOCATIONS (ID)		
UC_LOCATIONS_CODE (CODE)		
UC_LOCATIONS_LTID-PID-NAME (LOCATIONTYPE_ID, PARENT_ID, NAME)		

Table Name: AGENDAS

Purpose:








PPIES.AGENDAS		
P *	ID	NUMBER (10)
U *	NAME	VARCHAR2 (150 CHAR)
F	CREATED_BY	NUMBER (10)
	CREATED_ON	TIMESTAMP
F	UPDATED_BY	NUMBER (10)
	UPDATED_ON	TIMESTAMP
UF *	AGENDATYPE_ID	NUMBER (10)
 PK_AGENDAS (ID)		
 UC_AGENDAS_NAME (NAME, AGENDATYPE_ID)		
 FK_AGENDAS_AGENCYTYPES (AGENDATYPE_ID)		
 FK_AGENDAS_USERS_C (CREATED_BY)		
 FK_AGENDAS_USERS_U (UPDATED_BY)		
 PK_AGENDAS (ID)		
 UC_AGENDAS_NAME (NAME, AGENDATYPE_ID)		

Table Name: CLASSES

Purpose:











PPIES.CLASSES		
P *	ID	NUMBER (10)
U *	CODE	VARCHAR2 (20 CHAR)
U	NAME	VARCHAR2 (150 CHAR)
UF *	CLASSTYPE_ID	NUMBER (10)
UF	PARENT_ID	NUMBER (10)
	LOANS	CHAR (1 CHAR)
	GRANTS	CHAR (1 CHAR)
F	CREATED_BY	NUMBER (10)
	CREATED_ON	TIMESTAMP
F	UPDATED_BY	NUMBER (10)
	UPDATED_ON	TIMESTAMP
 PK_CLASSES (ID)		
 UC_CLASSES_CODE (CODE)		
 UC_CLASSES_CTID-PID-NAME (CLASSTYPE_ID, PARENT_ID, NAME)		
 FK_CLASSES_CLASSES (PARENT_ID)		
 FK_CLASSES_CLASSTYPES (CLASSTYPE_ID)		
 FK_CLASSES_USERS_C (CREATED_BY)		
 FK_CLASSES_USERS_U (UPDATED_BY)		
 PK_CLASSES (ID)		
 UC_CLASSES_CODE (CODE)		
 UC_CLASSES_CTID-PID-NAME (CLASSTYPE_ID, PARENT_ID, NAME)		

Table Name: CHAPTERS

Purpose:

PPIES.CHAPTERS		
P *	ID	NUMBER (10)
U	NAME	VARCHAR2 (150 CHAR)
UF *	CHAPTERTYPE_ID	NUMBER (10)
F	CREATED_BY	NUMBER (10)
	CREATED_ON	TIMESTAMP
F	UPDATED_BY	NUMBER (10)
	UPDATED_ON	TIMESTAMP
PK_CHAPTERS (ID)		
UC_CHAPTERS_LTID-NAME (CHAPTERTYPE_ID, NAME)		
FK_CHAPTERS_CHAPTERTYPES (CHAPTERTYPE_ID)		
FK_CHAPTERS_USERS_C (CREATED_BY)		
FK_CHAPTERS_USERS_U (UPDATED_BY)		
PK_CHAPTERS (ID)		
UC_CHAPTERS_LTID-NAME (CHAPTERTYPE_ID, NAME)		

Table Name: CONTACTS

Purpose:

PPIES.CONTACTS		
P *	ID	NUMBER (10)
UF *	AGENCY_ID	NUMBER (10)
U	NAME	VARCHAR2 (150 CHAR)
	DESIGNATION	VARCHAR2 (100 CHAR)
	ADDRESS	VARCHAR2 (300 CHAR)
	TELEPHONE	VARCHAR2 (50 CHAR)
	FAX	VARCHAR2 (50 CHAR)
	EMAIL	VARCHAR2 (50 CHAR)
F	CREATED_BY	NUMBER (10)
	CREATED_ON	TIMESTAMP
F	UPDATED_BY	NUMBER (10)
	UPDATED_ON	TIMESTAMP
PK_CONTACTS (ID)		
UC_CONTACTS_AGENCYID-NAME (AGENCY_ID, NAME)		
FK_AGENCIES (AGENCY_ID)		
FK_CONTACTS_USERS_C (CREATED_BY)		
FK_CONTACTS_USERS_U (UPDATED_BY)		
PK_CONTACTS (ID)		
UC_CONTACTS_AGENCYID-NAME (AGENCY_ID, NAME)		

Table Name: PCS

Purpose:

PPIES.PCS		
P *	ID	NUMBER (10)
F *	PROJECT_ID	NUMBER (10)
F	CREATED_BY	NUMBER (10)
	CREATED_ON	TIMESTAMP
F	UPDATED_BY	NUMBER (10)
	UPDATED_ON	TIMESTAMP
	REMARK	VARCHAR2 (4000 CHAR)
PK_PCS (ID)		
FK_PCS_PROJECTS (PROJECT_ID)		
FK_PCS_USERS_C (CREATED_BY)		
FK_PCS_USERS_U (UPDATED_BY)		
PK_PCS (ID)		

Table Name: SECTORS

Purpose:

PPIES.SECTORS		
P *	ID	NUMBER (10)
U *	CODE	VARCHAR2 (20 CHAR)
U	NAME	VARCHAR2 (150 CHAR)
UF *	SECTORTYPE_ID	NUMBER (10)
UF	PARENT_ID	NUMBER (10)
F	CREATED_BY	NUMBER (10)
	CREATED_ON	TIMESTAMP
F	UPDATED_BY	NUMBER (10)
	UPDATED_ON	TIMESTAMP
*	USEFORCIIP	CHAR (1 CHAR)
PK_SECTORS (ID)		
UC_SECTORS_CODE (CODE)		
UC_SECTORS_STID-PID-NAME (SECTORTYPE_ID, PARENT_ID, NAME)		
FK_SECTORS_SECTORS (PARENT_ID)		
FK_SECTORS_SECTORTYPES (SECTORTYPE_ID)		
FK_SECTORS_USERS_C (CREATED_BY)		
FK_SECTORS_USERS_U (UPDATED_BY)		
PK_SECTORS (ID)		
UC_SECTORS_CODE (CODE)		
UC_SECTORS_STID-PID-NAME (SECTORTYPE_ID, PARENT_ID, NAME)		



Table Name: CHRONOLOGIES

Purpose:

PPIES.CHRONOLOGIES		
P *	ID	NUMBER (10)
F *	PROJECT_ID	NUMBER (10)
	EVENTDATE	DATE
	EVENT	VARCHAR2 (4000 CHAR)
	* EXTERNALVIEWING	CHAR (1 BYTE)
	ATTACHMENT	VARCHAR2 (1000 CHAR)
F	CREATED_BY	NUMBER (10)
	CREATED_ON	TIMESTAMP
F	UPDATED_BY	NUMBER (10)
	UPDATED_ON	TIMESTAMP
PK_CH (ID)		
FK_CH_PROJECTS (PROJECT_ID)		
FK_CH_USERS_C (CREATED_BY)		
FK_CH_USERS_U (UPDATED_BY)		
PK_CH (ID)		

Table Name: CONTRACTDETAILS

Purpose:

PPIES.CONTRACTDETAILS		
P *	ID	NUMBER (10)
F *	CONTRACT_ID	NUMBER (10)
	MILESTONE	VARCHAR2 (4000 CHAR)
	ORIGINALDATE	DATE
	ACTUALDATE	DATE
	NUMBEROFDAYS	NUMBER (19,4)
F	CREATED_BY	NUMBER (10)
	CREATED_ON	TIMESTAMP
F	UPDATED_BY	NUMBER (10)
	UPDATED_ON	TIMESTAMP
PK_CONTRACTDETAILS (ID)		
FK_CONTRACTDETAILS_CONTRACTS (CONTRACT_ID)		
FK_CONTRACTDETAILS_USERS_C (CREATED_BY)		
FK_CONTRACTDETAILS_USERS_U (UPDATED_BY)		
PK_CONTRACTDETAILS (ID)		

Table Name: DOCUMENTS

Purpose:

PPIES.DOCUMENTS		
P *	ID	NUMBER (10)
F *	PROJECT_ID	NUMBER (10)
	SUBMISSIONDATE	DATE
	REMARK	VARCHAR2 (4000 CHAR)
	TITLE	VARCHAR2 (4000 CHAR)
	FILENAME	VARCHAR2 (4000 CHAR)
F	CREATED_BY	NUMBER (10)
	CREATED_ON	TIMESTAMP
F	UPDATED_BY	NUMBER (10)
	UPDATED_ON	TIMESTAMP
PK_DOCUMENTS (ID)		
FK_DOCUMENTS_PROJECTS (PROJECT_ID)		
FK_DOCUMENTS_USERS_C (CREATED_BY)		
FK_DOCUMENTS_USERS_U (UPDATED_BY)		
PK_DOCUMENTS (ID)		

Table Name: FDCANCELLATIONS

Purpose:

PPIES.FDCANCELLATIONS		
PF *	FINANCINGDETAIL_ID	NUMBER (10)
P *	YEAR	NUMBER (4)
	AMOUNT	NUMBER (10)
	CANCELDATE	DATE
F	CREATED_BY	NUMBER (10)
	CREATED_ON	TIMESTAMP
F	UPDATED_BY	NUMBER (10)
	UPDATED_ON	TIMESTAMP
PK_FDC (FINANCINGDETAIL_ID, YEAR)		
FK_FDC_FINANCINGDETAILS (FINANCINGDETAIL_ID)		
FK_FDC_USERS_C (CREATED_BY)		
FK_FDC_USERS_U (UPDATED_BY)		
PK_FDC (FINANCINGDETAIL_ID, YEAR)		

Table Name: FDCLOSINGDATES

Purpose:

PPIES.FDCLOSINGDATES		
P *	ID	NUMBER (10)
F *	FINANCINGDETAIL_ID	NUMBER (10)
	CLOSINGDATE	DATE
F	CREATED_BY	NUMBER (10)
	CREATED_ON	TIMESTAMP
F	UPDATED_BY	NUMBER (10)
	UPDATED_ON	TIMESTAMP
PK_FDCD (ID)		
FK_FDCD_FINANCINGDETAILS (FINANCINGDETAIL_ID)		
FK_FDCD_USERS_C (CREATED_BY)		
FK_FDCD_USERS_U (UPDATED_BY)		
PK_FDCD (ID)		

Table Name: FRAMEWORKS

Purpose:

PPIES.FRAMEWORKS		
P *	ID	NUMBER (10)
F *	PROJECT_ID	NUMBER (10)
	SUBMISSIONDATE	DATE
	FILENAME	VARCHAR2 (4000 CHAR)
F	CREATED_BY	NUMBER (10)
	CREATED_ON	TIMESTAMP
F	UPDATED_BY	NUMBER (10)
	UPDATED_ON	TIMESTAMP
PK_FRAMEWORKS (ID)		
FK_FRAMEWORKS_PROJECTS (PROJECT_ID)		
FK_FRAMEWORKS_USERS_C (CREATED_BY)		
FK_FRAMEWORKS_USERS_U (UPDATED_BY)		
PK_FRAMEWORKS (ID)		

Table Name: ICCDETAILS

Purpose:

PPIES.ICCDETAILS		
P *	ID	NUMBER (10)
F *	PROJECT_ID	NUMBER (10)
	CABCOMDATE	DATE
	TBDATE	DATE
	PROPOSAL	VARCHAR2 (4000 CHAR)
	RECOMMENDATION	VARCHAR2 (4000 CHAR)
	ACTION	VARCHAR2 (4000 CHAR)
	REMARK	VARCHAR2 (4000 CHAR)
	FOREXRATE	NUMBER (19,4)
	TOTALCOST	NUMBER (19,4)
	LOANPROCEEDS	NUMBER (19,4)
	GOPCOUNTERPART	NUMBER (19,4)
	RTOTALCOST	NUMBER (19,4)
	RLOANPROCEEDS	NUMBER (19,4)
	RGOPCOUNTERPART	NUMBER (19,4)
F	CREATED_BY	NUMBER (10)
	CREATED_ON	TIMESTAMP
F	UPDATED_BY	NUMBER (10)
	UPDATED_ON	TIMESTAMP
	NBCDATE	DATE
	ICCSREVIEWDATE	DATE
PK_ICCD (ID)		
FK_ICCD_PROJECTS (PROJECT_ID)		
FK_ICCD_USERS_C (CREATED_BY)		
FK_ICCD_USERS_U (UPDATED_BY)		
PK_ICCD (ID)		

Table Name: IMPLEMENTATIONS

Purpose:

PPIES.IMPLEMENTATIONS		
P *	ID	NUMBER (10)
F *	PROJECT_ID	NUMBER (10)
	STARTDATE	DATE
	FINISHDATE	DATE
*	BEYONDFINISH	CHAR (1 CHAR)
*	RECURRING	CHAR (1 CHAR)
	EFFECTIVITYDATE	DATE
	REASON	VARCHAR2 (4000 CHAR)
F	CREATED_BY	NUMBER (10)
	CREATED_ON	TIMESTAMP
F	UPDATED_BY	NUMBER (10)
	UPDATED_ON	TIMESTAMP
PK_PI (ID)		
FK_PI_PROJECTS (PROJECT_ID)		
FK_PI_USERS_C (CREATED_BY)		
FK_PI_USERS_U (UPDATED_BY)		
PK_PI (ID)		

Table Name: PCDETAILSTATUSES

Purpose:

PPIES.PCDETAILSTATUSES		
P *	ID	NUMBER (10)
F *	PCDETAIL_ID	NUMBER (10)
	YEAR	NUMBER (4)
	QUARTER_ID	NUMBER (10)
	TARGET	NUMBER (19,4)
	ACTUAL	NUMBER (19,4)
	OVERALLSTATUS	VARCHAR2 (4000 CHAR)
F	CREATED_BY	NUMBER (10)
	CREATED_ON	TIMESTAMP
F	UPDATED_BY	NUMBER (10)
	UPDATED_ON	TIMESTAMP
PK_PCDetailSTATUSES (ID)		
FK_PCDetailSTATUSES_PCS (PCDETAIL_ID)		
FK_PCDetailSTATUSES_USERS_C (CREATED_BY)		
FK_PCDetailSTATUSES_USERS_U (UPDATED_BY)		
PK_PCDetailSTATUSES (ID)		



Table Name: PHYSTATUSIMAGES

Purpose:

PPIES.PHYSTATUSIMAGES		
P *	ID	NUMBER (10)
F *	PHYSICALSTATUS_ID	NUMBER (10)
	FILENAME	VARCHAR2 (4000 CHAR)
F	CREATED_BY	NUMBER (10)
	CREATED_ON	TIMESTAMP
F	UPDATED_BY	NUMBER (10)
	UPDATED_ON	TIMESTAMP
PK_PHSTIM (ID)		
FK_PHSTIM_PHYSTATUSES (PHYSICALSTATUS_ID)		
FK_PHSTIM_USERS_C (CREATED_BY)		
FK_PHSTIM_USERS_U (UPDATED_BY)		
PK_PHSTIM (ID)		

Table Name: PHYSTATUSISSUES

Purpose:

PPIES.PHYSTATUSISSUES		
P *	ID	NUMBER (10)
F *	PHYSICALSTATUS_ID	NUMBER (10)
	DESCRIPTION	VARCHAR2 (4000 CHAR)
F	CREATED_BY	NUMBER (10)
	CREATED_ON	TIMESTAMP
F	UPDATED_BY	NUMBER (10)
	UPDATED_ON	TIMESTAMP
PK_PHSTI (ID)		
FK_PHSTI_PHYSTATUSES (PHYSICALSTATUS_ID)		
FK_PHSTI_USERS_C (CREATED_BY)		
FK_PHSTI_USERS_U (UPDATED_BY)		
PK_PHSTI (ID)		

Table Name: PROJECTSTATUSES

Purpose:

PPIES.PROJECTSTATUSES		
P *	ID	NUMBER (10)
F *	PROJECT_ID	NUMBER (10)
	STATUS	VARCHAR2 (4000 CHAR)
F	CREATED_BY	NUMBER (10)
	CREATED_ON	TIMESTAMP
F	UPDATED_BY	NUMBER (10)
	UPDATED_ON	TIMESTAMP
PK_PST (ID)		
FK_PST_PROJECTS (PROJECT_ID)		
FK_PST_USERS_C (CREATED_BY)		
FK_PST_USERS_U (UPDATED_BY)		
PK_PST (ID)		

Table Name: MODULES

Purpose:

PPIES.MODULES		
P *	ID	NUMBER (10)
U *	NAME	VARCHAR2 (50 CHAR)
F	CREATED_BY	NUMBER (10)
	CREATED_ON	TIMESTAMP
F	UPDATED_BY	NUMBER (10)
	UPDATED_ON	TIMESTAMP
PK_MODULES (ID)		
UC_MODULES_NAME (NAME)		
FK_MODULES_USERS_C (CREATED_BY)		
MODULES_USERS_FK1 (UPDATED_BY)		
PK_MODULES (ID)		
UC_MODULES_NAME (NAME)		

Table Name: STATUSES

Purpose:

PPIES.STATUSSES		
P *	ID	NUMBER (10)
U *	NAME	VARCHAR2 (150 CHAR)
F	CREATED_BY	NUMBER (10)
	CREATED_ON	TIMESTAMP
F	UPDATED_BY	NUMBER (10)
	UPDATED_ON	TIMESTAMP
PK_STATUSES (ID)		
UC_STATUSES_NAME (NAME)		
FK_STATUSES_USERS_C (CREATED_BY)		
FK_STATUSES_USERS_U (UPDATED_BY)		
PK_STATUSES (ID)		
UC_STATUSES_NAME (NAME)		

Table Name: FORMS

Purpose:

PPIES.FORMS		
P *	ID	NUMBER (10)
U *	NAME	VARCHAR2 (150 CHAR)
F	CREATED_BY	NUMBER (10)
	CREATED_ON	TIMESTAMP
F	UPDATED_BY	NUMBER (10)
	UPDATED_ON	TIMESTAMP
PK_FORMS (ID)		
UC_FORMS_NAME (NAME)		
FK_FORMS_USERS_C (CREATED_BY)		
FK_FORMS_USERS_U (UPDATED_BY)		
PK_FORMS (ID)		
UC_FORMS_NAME (NAME)		

Table Name: AGENCYTYPES

Purpose:

PPIES.AGENCYTYPES		
P *	ID	NUMBER (10)
U *	NAME	VARCHAR2 (150 CHAR)
F	CREATED_BY	NUMBER (10)
	CREATED_ON	TIMESTAMP
F	UPDATED_BY	NUMBER (10)
	UPDATED_ON	TIMESTAMP
PK_AGENCYTYPES (ID)		
UC_AGENCYTYPES_NAME (NAME)		
FK_AGENCYTYPES_USERS_C (CREATED_BY)		
FK_AGENCYTYPES_USERS_U (UPDATED_BY)		
PK_AGENCYTYPES (ID)		
UC_AGENCYTYPES_NAME (NAME)		

Table Name: CATEGORIES

Purpose:

PPIES.CATEGORIES		
P *	ID	NUMBER (10)
U *	NAME	VARCHAR2 (150 CHAR)
F	CREATED_BY	NUMBER (10)
	CREATED_ON	TIMESTAMP
F	UPDATED_BY	NUMBER (10)
	UPDATED_ON	TIMESTAMP
PK_CATEGORIES (ID)		
UC_CATEGORIES_NAME (NAME)		
FK_CATEGORIES_USERS_C (CREATED_BY)		
FK_CATEGORIES_USERS_U (UPDATED_BY)		
PK_CATEGORIES (ID)		
UC_CATEGORIES_NAME (NAME)		

Table Name: CLASSTYPES

Purpose:

PPIES.CLASSTYPES		
P *	ID	NUMBER (10)
U *	NAME	VARCHAR2 (150 CHAR)
F	PARENT_ID	NUMBER (10)
F	CREATED_BY	NUMBER (10)
	CREATED_ON	TIMESTAMP
F	UPDATED_BY	NUMBER (10)
	UPDATED_ON	TIMESTAMP
PK_CLASSTYPES (ID)		
UC_CLASSTYPES_NAME (NAME)		
FK_CLASSTYPES_CLASSTYPES (PARENT_ID)		
FK_CLASSTYPES_USERS_C (CREATED_BY)		
FK_CLASSTYPES_USERS_U (UPDATED_BY)		
PK_CLASSTYPES (ID)		
UC_CLASSTYPES_NAME (NAME)		

Table Name: COVERAGETYPES

Purpose:

PPIES.COVERAGETYPES		
P *	ID	NUMBER (10)
U *	NAME	VARCHAR2 (150 CHAR)
F	CREATED_BY	NUMBER (10)
	CREATED_ON	TIMESTAMP
F	UPDATED_BY	NUMBER (10)
	UPDATED_ON	TIMESTAMP
PK_COVERAGETYPES (ID)		
UC_COVERAGETYPES_NAME (NAME)		
FK_COVERAGETYPES_USERS_C (CREATED_BY)		
FK_COVERAGETYPES_USERS_U (UPDATED_BY)		
PK_COVERAGETYPES (ID)		
UC_COVERAGETYPES_NAME (NAME)		

Table Name: OUTPUTINDICATORS

Purpose:

PPIES.OUTPUTINDICATORS		
P *	ID	NUMBER (10)
U *	NAME	VARCHAR2 (1000 CHAR)
F	CREATED_BY	NUMBER (10)
	CREATED_ON	TIMESTAMP
F	UPDATED_BY	NUMBER (10)
	UPDATED_ON	TIMESTAMP
PK_OUTPUTINDICATORS (ID)		
UC_OUTPUTINDICATORS_NAME (NAME)		
FK_OUTPUTINDICATORS_USERS_C (CREATED_BY)		
FK_OUTPUTINDICATORS_USERS_U (UPDATED_BY)		
PK_OUTPUTINDICATORS (ID)		
UC_OUTPUTINDICATORS_NAME (NAME)		

Table Name: PERS

Purpose:

PPIES.PERS		
P *	ID	NUMBER (10)
U *	NAME	VARCHAR2 (150 CHAR)
F	CREATED_BY	NUMBER (10)
	CREATED_ON	TIMESTAMP
F	UPDATED_BY	NUMBER (10)
	UPDATED_ON	TIMESTAMP
PK_PERS (ID)		
UC_PERS_NAME (NAME)		
FK_PERS_USERS_C (CREATED_BY)		
FK_PERS_USERS_U (UPDATED_BY)		
PK_PERS (ID)		
UC_PERS_NAME (NAME)		

Table Name: PPPMODES

Purpose:

PPIES.PPPMODES		
P *	ID	NUMBER (10)
U *	NAME	VARCHAR2 (150 CHAR)
F	CREATED_BY	NUMBER (10)
	CREATED_ON	TIMESTAMP
F	UPDATED_BY	NUMBER (10)
	UPDATED_ON	TIMESTAMP
PK_PPPMODES (ID)		
UC_PPPMODES_NAME (NAME)		
FK_PPPMODES_USERS_C (CREATED_BY)		
FK_PPPMODES_USERS_U (UPDATED_BY)		
PK_PPPMODES (ID)		
UC_PPPMODES_NAME (NAME)		

Table Name: PPPSCHEMES

Purpose:

PPIES.PPPSCHEMES		
P *	ID	NUMBER (10)
U *	NAME	VARCHAR2 (150 CHAR)
F	CREATED_BY	NUMBER (10)
	CREATED_ON	TIMESTAMP
F	UPDATED_BY	NUMBER (10)
	UPDATED_ON	TIMESTAMP
PK_PPPSCHEMES (ID)		
UC_PPPSCHEMES_NAME (NAME)		
FK_PPPSCHEMES_USERS_C (CREATED_BY)		
FK_PPPSCHEMES_USERS_U (UPDATED_BY)		
PK_PPPSCHEMES (ID)		
UC_PPPSCHEMES_NAME (NAME)		

Table Name: PROJECTTYPES

Purpose:

PPIES.PROJECTTYPES		
P *	ID	NUMBER (10)
U *	NAME	VARCHAR2 (150 CHAR)
F	CREATED_BY	NUMBER (10)
	CREATED_ON	TIMESTAMP
F	UPDATED_BY	NUMBER (10)
	UPDATED_ON	TIMESTAMP
PK_PROJECTTYPES (ID)		
UC_PROJECTTYPES_NAME (NAME)		
FK_PROJECTTYPES_USERS_C (CREATED_BY)		
FK_PROJECTTYPES_USERS_U (UPDATED_BY)		
PK_PROJECTTYPES (ID)		
UC_PROJECTTYPES_NAME (NAME)		



Table Name: SEMESTERS

Purpose:

PPIES.SEMESTERS		
P * ID	NUMBER (10)	
U * NAME	VARCHAR2 (20 CHAR)	
	DESCRIPTION	VARCHAR2 (300 CHAR)
F CREATED_BY	NUMBER (10)	
	CREATED_ON	TIMESTAMP
F UPDATED_BY	NUMBER (10)	
	UPDATED_ON	TIMESTAMP
PK_SEMESTERS (ID)		
UC_SEMESTERS_NAME (NAME)		
FK_SEMESTERS_USERS_C (CREATED_BY)		
FK_SEMESTERS_USERS_U (UPDATED_BY)		
PK_SEMESTERS (ID)		
UC_SEMESTERS_NAME (NAME)		

Table Name: ACCESSLEVELS

Purpose:

PPIES.ACCESSLEVELS		
P * ID	NUMBER (10)	
U * NAME	VARCHAR2 (150 CHAR)	
F CREATED_BY	NUMBER (10)	
	CREATED_ON	TIMESTAMP
F UPDATED_BY	NUMBER (10)	
	UPDATED_ON	TIMESTAMP
PK_ACCESSLEVELS (ID)		
UC_ACCESSLEVELS_NAME (NAME)		
FK_ACCESSLEVELS_USERS_C (CREATED_BY)		
FK_ACCESSLEVELS_USERS_U (UPDATED_BY)		
PK_ACCESSLEVELS (ID)		
UC_ACCESSLEVELS_NAME (NAME)		

Table Name: AGENCYROLES

Purpose:

PPIES.AGENCYROLES		
P * ID	NUMBER (10)	
U * NAME	VARCHAR2 (150 CHAR)	
F CREATED_BY	NUMBER (10)	
	CREATED_ON	TIMESTAMP
F UPDATED_BY	NUMBER (10)	
	UPDATED_ON	TIMESTAMP
PK_AGENCYROLES (ID)		
UC_AGENCYROLES_NAME (NAME)		
FK_AGENCYROLES_USERS_C (CREATED_BY)		
FK_AGENCYROLES_USERS_U (UPDATED_BY)		
PK_AGENCYROLES (ID)		
UC_AGENCYROLES_NAME (NAME)		

Table Name: CHAPTERTYPES

Purpose:

PPIES.CHAPTERTYPES		
P *	ID	NUMBER (10)
U *	NAME	VARCHAR2 (150 CHAR)
F	CREATED_BY	NUMBER (10)
	CREATED_ON	TIMESTAMP
F	UPDATED_BY	NUMBER (10)
	UPDATED_ON	TIMESTAMP
PK_CHAPTERTYPES (ID)		
UC_CHAPTERTYPES_NAME (NAME)		
FK_CHAPTERTYPES_USERS_C (CREATED_BY)		
FK_CHAPTERTYPES_USERS_U (UPDATED_BY)		
PK_CHAPTERTYPES (ID)		
UC_CHAPTERTYPES_NAME (NAME)		

Table Name: CLIMATECHANGES

Purpose:

PPIES.CLIMATECHANGES		
P *	ID	NUMBER (10)
U *	NAME	VARCHAR2 (150 CHAR)
F	CREATED_BY	NUMBER (10)
	CREATED_ON	TIMESTAMP
F	UPDATED_BY	NUMBER (10)
	UPDATED_ON	TIMESTAMP
PK_CLIMATECHANGES (ID)		
UC_CLIMATECHANGES_NAME (NAME)		
FK_CLIMATECHANGES_USERS_C (CREATED_BY)		
FK_CLIMATECHANGES_USERS_U (UPDATED_BY)		
PK_CLIMATECHANGES (ID)		
UC_CLIMATECHANGES_NAME (NAME)		

Table Name: CONTRACTTYPES

Purpose:

PPIES.CONTRACTTYPES		
P *	ID	NUMBER (10)
U *	NAME	VARCHAR2 (50 CHAR)
F	CREATED_BY	NUMBER (10)
	CREATED_ON	TIMESTAMP
F	UPDATED_BY	NUMBER (10)
	UPDATED_ON	TIMESTAMP
PK_CONTRACTTYPES (ID)		
UC_CONTRACTTYPES_NAME (NAME)		
FK_CONTRACTTYPES_USERS_C (CREATED_BY)		
FK_CONTRACTTYPES_USERS_U (UPDATED_BY)		
PK_CONTRACTTYPES (ID)		
UC_CONTRACTTYPES_NAME (NAME)		

Table Name: EVALUATIONLEVELS

Purpose:

PPIES.EVALUATIONLEVELS		
P * ID	NUMBER (10)	
U * NAME	VARCHAR2 (150 CHAR)	
F CREATED_BY	NUMBER (10)	
	CREATED_ON	TIMESTAMP
F UPDATED_BY	NUMBER (10)	
	UPDATED_ON	TIMESTAMP
PK_EVALUATIONLEVELS (ID)		
UC_EVALUATIONLEVELS_NAME (NAME)		
FK_EVALUATIONLEVELS_USERS_C (CREATED_BY)		
FK_EVALUATIONLEVELS_USERS_U (UPDATED_BY)		
PK_EVALUATIONLEVELS (ID)		
UC_EVALUATIONLEVELS_NAME (NAME)		

Table Name: FUNDINGTYPES

Purpose:

PPIES.FUNDINGTYPES		
P * ID	NUMBER (10)	
U * NAME	VARCHAR2 (150 CHAR)	
F CREATED_BY	NUMBER (10)	
	CREATED_ON	TIMESTAMP
F UPDATED_BY	NUMBER (10)	
	UPDATED_ON	TIMESTAMP
PK_FUNDINGTYPES (ID)		
UC_FUNDINGTYPES_NAME (NAME)		
FK_FUNDINGTYPES_USERS_C (CREATED_BY)		
FK_FUNDINGTYPES_USERS_U (UPDATED_BY)		
PK_FUNDINGTYPES (ID)		
UC_FUNDINGTYPES_NAME (NAME)		

Table Name: ICCCOMPONENTTYPES

Purpose:

PPIES.ICCCOMPONENTTYPES		
P * ID	NUMBER (10)	
U * NAME	VARCHAR2 (50 CHAR)	
F CREATED_BY	NUMBER (10)	
	CREATED_ON	TIMESTAMP
F UPDATED_BY	NUMBER (10)	
	UPDATED_ON	TIMESTAMP
PK_ICCCOMPONENTTYPES (ID)		
UC_ICCCOMPONENTTYPES_NAME (NAME)		
FK_ICCCOMPONENTTYPES_USERS_C (CREATED_BY)		
FK_ICCCOMPONENTTYPES_USERS_U (UPDATED_BY)		
PK_ICCCOMPONENTTYPES (ID)		
UC_ICCCOMPONENTTYPES_NAME (NAME)		



Table Name: ICCSTATUSES

Purpose:

PPIES.ICCSTATUSES		
P *	ID	NUMBER (10)
U *	NAME	VARCHAR2 (150 CHAR)
F	CREATED_BY	NUMBER (10)
	CREATED_ON	TIMESTAMP
F	UPDATED_BY	NUMBER (10)
	UPDATED_ON	TIMESTAMP
PK_ICCSTATUSES (ID)		
UC_ICCSTATUSES_NAME (NAME)		
FK_ICCSTATUSES_USERS_C (CREATED_BY)		
FK_ICCSTATUSES_USERS_U (UPDATED_BY)		
PK_ICCSTATUSES (ID)		
UC_ICCSTATUSES_NAME (NAME)		

Table Name: ICCTRACKINGTYPES

Purpose:

PPIES.ICCTRACKINGTYPES		
P *	ID	NUMBER (10)
U *	NAME	VARCHAR2 (150 CHAR)
F	CREATED_BY	NUMBER (10)
	CREATED_ON	TIMESTAMP
F	UPDATED_BY	NUMBER (10)
	UPDATED_ON	TIMESTAMP
PK_ICCTRACKINGTYPES (ID)		
UC_ICCTRACKINGTYPES_NAME (NAME)		
FK_ICCTRACKINGTYPES_USERS_C (CREATED_BY)		
FK_ICCTRACKINGTYPES_USERS_U (UPDATED_BY)		
PK_ICCTRACKINGTYPES (ID)		
UC_ICCTRACKINGTYPES_NAME (NAME)		

Table Name: INSTITUTIONTYPES

Purpose:

PPIES.INSTITUTIONTYPES		
P *	ID	NUMBER (10)
U *	NAME	VARCHAR2 (50 CHAR)
F	CREATED_BY	NUMBER (10)
	CREATED_ON	TIMESTAMP
F	UPDATED_BY	NUMBER (10)
	UPDATED_ON	TIMESTAMP
PK_INSTITUTIONTYPES (ID)		
UC_INSTITUTIONTYPES_NAME (NAME)		
FK_INSTITUTIONTYPES_USERS_C (CREATED_BY)		
FK_INSTITUTIONTYPES_USERS_U (UPDATED_BY)		
PK_INSTITUTIONTYPES (ID)		
UC_INSTITUTIONTYPES_NAME (NAME)		

Table Name: LOCATIONTYPES

Purpose:










PPIES.LOCATIONTYPES		
P * ID	NUMBER (10)	
U * NAME	VARCHAR2 (150 CHAR)	
UF PARENT_ID	NUMBER (10)	
F CREATED_BY	NUMBER (10)	
	CREATED_ON	TIMESTAMP
F UPDATED_BY	NUMBER (10)	
	UPDATED_ON	TIMESTAMP
 PK_LOCATIONTYPES (ID)  UC_LOCATIONTYPES_NAME (NAME)  UC_LOCATIONTYPES_PARENTID (PARENT_ID)		
 FK_LOCATIONTYPES_LOCATIONTYPES (PARENT_ID)  FK_LOCATIONTYPES_USERS_C (CREATED_BY)  FK_LOCATIONTYPES_USERS_U (UPDATED_BY)		
 PK_LOCATIONTYPES (ID)  UC_LOCATIONTYPES_NAME (NAME)  UC_LOCATIONTYPES_PARENTID (PARENT_ID)		

Table Name: MDGS

Purpose:







PPIES.MDGS		
P * ID	NUMBER (10)	
U * NAME	VARCHAR2 (150 CHAR)	
F CREATED_BY	NUMBER (10)	
	CREATED_ON	TIMESTAMP
F UPDATED_BY	NUMBER (10)	
	UPDATED_ON	TIMESTAMP
 PK_MDGS (ID)  UC_MDGS_NAME (NAME)		
 FK_MDGS_USERS_C (CREATED_BY)  FK_MDGS_USERS_U (UPDATED_BY)		
 PK_MDGS (ID)  UC_MDGS_NAME (NAME)		

Table Name: MODES

Purpose:







PPIES.MODES		
P * ID	NUMBER (10)	
U * NAME	VARCHAR2 (150 CHAR)	
F CREATED_BY	NUMBER (10)	
	CREATED_ON	TIMESTAMP
F UPDATED_BY	NUMBER (10)	
	UPDATED_ON	TIMESTAMP
 PK_MODES (ID)  UC_MODES_NAME (NAME)		
 FK_MODES_USERS_C (CREATED_BY)  FK_MODES_USERS_U (UPDATED_BY)		
 PK_MODES (ID)  UC_MODES_NAME (NAME)		

Table Name: PAPTYPES

Purpose:

PPIES.PAPTYPES		
P *	ID	NUMBER (10)
U *	NAME	VARCHAR2 (150 CHAR)
F	CREATED_BY	NUMBER (10)
	CREATED_ON	TIMESTAMP
F	UPDATED_BY	NUMBER (10)
	UPDATED_ON	TIMESTAMP
PK_PAPTYPES (ID)		
UC_PAPTYPES_NAME (NAME)		
FK_PAPTYPES_USERS_C (CREATED_BY)		
FK_PAPTYPES_USERS_U (UPDATED_BY)		
PK_PAPTYPES (ID)		
UC_PAPTYPES_NAME (NAME)		

Table Name: PERTYPES

Purpose:

PPIES.PERTYPES		
P *	ID	NUMBER (10)
U *	NAME	VARCHAR2 (150 CHAR)
F	CREATED_BY	NUMBER (10)
	CREATED_ON	TIMESTAMP
F	UPDATED_BY	NUMBER (10)
	UPDATED_ON	TIMESTAMP
PK_PERTYPES (ID)		
UC_PERTYPES_NAME (NAME)		
FK_PERTYPES_USERS_C (CREATED_BY)		
FK_PERTYPES_USERS_U (UPDATED_BY)		
PK_PERTYPES (ID)		
UC_PERTYPES_NAME (NAME)		

Table Name: PRIORITYTYPES

Purpose:

PPIES.PRIORITYTYPES		
P *	ID	NUMBER (10)
U *	NAME	VARCHAR2 (150 CHAR)
F	CREATED_BY	NUMBER (10)
	CREATED_ON	TIMESTAMP
F	UPDATED_BY	NUMBER (10)
	UPDATED_ON	TIMESTAMP
PK_PRIORITYTYPES (ID)		
UC_PRIORITYTYPES_NAME (NAME)		
FK_PRIORITYTYPES_USERS_C (CREATED_BY)		
FK_PRIORITYTYPES_USERS_U (UPDATED_BY)		
PK_PRIORITYTYPES (ID)		
UC_PRIORITYTYPES_NAME (NAME)		

Table Name: SECTORTYPES

Purpose:










PPIES.SECTORTYPES		
P * ID	NUMBER (10)	
U * NAME	VARCHAR2 (150 CHAR)	
UF PARENT_ID	NUMBER (10)	
F CREATED_BY	NUMBER (10)	
	CREATED_ON	TIMESTAMP
F UPDATED_BY	NUMBER (10)	
	UPDATED_ON	TIMESTAMP
 PK_SECTORTYPES (ID)		
 UC_SECTORTYPES_NAME (NAME)		
 UC_SECTORTYPES_PARENTID (PARENT_ID)		
 FK_SECTORTYPES_SECTORTYPES (PARENT_ID)		
 FK_SECTORTYPES_USERS_C (CREATED_BY)		
 FK_SECTORTYPES_USERS_U (UPDATED_BY)		
 PK_SECTORTYPES (ID)		
 UC_SECTORTYPES_NAME (NAME)		
 UC_SECTORTYPES_PARENTID (PARENT_ID)		

Table Name: STAFFROLES

Purpose:







PPIES.STAFFROLES		
P * ID	NUMBER (10)	
U * NAME	VARCHAR2 (150 CHAR)	
F CREATED_BY	NUMBER (10)	
	CREATED_ON	TIMESTAMP
F UPDATED_BY	NUMBER (10)	
	UPDATED_ON	TIMESTAMP
 PK_STAFFROLES (ID)		
 UC_STAFFROLES_NAME (NAME)		
 FK_STAFFROLES_USERS_C (CREATED_BY)		
 FK_STAFFROLES_USERS_U (UPDATED_BY)		
 PK_STAFFROLES (ID)		
 UC_STAFFROLES_NAME (NAME)		

Table Name: STAFFS

Purpose:







PPIES.STAFFS		
P * ID	NUMBER (10)	
U * NAME	VARCHAR2 (150 CHAR)	
F CREATED_BY	NUMBER (10)	
	CREATED_ON	TIMESTAMP
F UPDATED_BY	NUMBER (10)	
	UPDATED_ON	TIMESTAMP
	ACRONYM	VARCHAR2 (50 CHAR)
 PK_STAFFS (ID)		
 UC_STAFFS_NAME (NAME)		
 FK_STAFFS_USERS_C (CREATED_BY)		
 FK_STAFFS_USERS_U (UPDATED_BY)		
 PK_STAFFS (ID)		
 UC_STAFFS_NAME (NAME)		



Table Name: AGENDATYPES

Purpose:

PPIES.AGENDATYPES		
P *	ID	NUMBER (10)
U *	NAME	VARCHAR2 (150 CHAR)
F	CREATED_BY	NUMBER (10)
	CREATED_ON	TIMESTAMP
F	UPDATED_BY	NUMBER (10)
	UPDATED_ON	TIMESTAMP
PK_AGENDATYPES (ID)		
UC_AGENDATYPES_NAME (NAME)		
FK_AGENDATYPES_USERS_C (CREATED_BY)		
FK_AGENDATYPES_USERS_U (UPDATED_BY)		
PK_AGENDATYPES (ID)		
UC_AGENDATYPES_NAME (NAME)		

Table Name: DA\_LOC\_OUTPUTINDICATOR

Purpose:

PPIES.DA_LOC_OUTPUTINDICATOR		
PF *	ID	NUMBER (10)
*	DA_LOC_COMPONENT_ID	NUMBER
	OUTPUTINDICATOR_ID	NUMBER (10)
	COST	NUMBER (19,4)
	ORIGINAL_TARGET	NUMBER (19,4)
	REVISED_TARGET	NUMBER (19,4)
	STATUS	VARCHAR2 (4000 BYTE)
	CREATED_BY	NUMBER (10)
	CREATED_ON	DATE
F	UPDATED_BY	NUMBER (10)
	UPDATED_ON	DATE
	ACTUALOUTPUTS	VARCHAR2 (4000 BYTE)
D_LOC_OUTPUTINDICATOR_PK (ID)		
DA_LOC_OUTPUTINDICATOR_US_FK_C (ID)		
DA_LOC_OUTPUTINDICATOR_US_FK_U (UPDATED_BY)		
D_LOC_OUTPUTINDICATOR_PK (ID)		

Table Name: GADS

Purpose:

PPIES.GADS		
P *	ID	NUMBER (10)
U *	CODE	VARCHAR2 (20 CHAR)
*	NAME	VARCHAR2 (150 CHAR)
F	CREATED_BY	NUMBER (10)
	CREATED_ON	TIMESTAMP
F	UPDATED_BY	NUMBER (10)
	UPDATED_ON	TIMESTAMP
PK_GADS (ID)		
UC_GADS_CODE (CODE)		
FK_GADS_USERS_C (CREATED_BY)		
FK_GADS_USERS_U (UPDATED_BY)		
PK_GADS (ID)		
UC_GADS_CODE (CODE)		

Table Name: ICCEVALUATORS

Purpose:

PPIES.ICCEVALUATORS		
P * ID	NUMBER (10)	
U * NAME	VARCHAR2 (150 CHAR)	
F CREATED_BY	NUMBER (10)	
	CREATED_ON	TIMESTAMP
F UPDATED_BY	NUMBER (10)	
	UPDATED_ON	TIMESTAMP
PK_ICCEVALUATORS (ID)		
UC_ICCEVALUATORS_NAME (NAME)		
FK_ICCEVALUATORS_USERS_C (CREATED_BY)		
FK_ICCEVALUATORS_USERS_U (UPDATED_BY)		
PK_ICCEVALUATORS (ID)		
UC_ICCEVALUATORS_NAME (NAME)		

Table Name: TRANSACTIONS

Purpose:

PPIES.TRANSACTIONS		
P * ID	NUMBER (10)	
F MODULE_ID	NUMBER (10)	
F USER_ID	NUMBER (10)	
	ACTION	VARCHAR2 (3990 CHAR)
	CREATED_ON	TIMESTAMP
PK_TRANSACTIONS (ID)		
FK_TRANSACTIONS_MODULES (MODULE_ID)		
FK_TRANSACTIONS_USERS (USER_ID)		
PK_TRANSACTIONS (ID)		

Table Name: CURRENCIES

Purpose:

PPIES.CURRENCIES		
P * ID	NUMBER (10)	
U * CODE	VARCHAR2 (6 CHAR)	
	NAME	VARCHAR2 (50 CHAR)
F CREATED_BY	NUMBER (10)	
	CREATED_ON	TIMESTAMP
F UPDATED_BY	NUMBER (10)	
	UPDATED_ON	TIMESTAMP
PK_CURRENCIES (ID)		
UC_CURRENCIES_CODE (CODE)		
FK_CURRENCIES_USERS_C (CREATED_BY)		
FK_CURRENCIES_USERS_U (UPDATED_BY)		
PK_CURRENCIES (ID)		
UC_CURRENCIES_CODE (CODE)		

Table Name: QUARTERS

Purpose:

PPIES.QUARTERS		
P	ID	NUMBER (10)
F	SEMESTER_ID	NUMBER (10)
U	NAME	VARCHAR2 (20 CHAR)
	DESCRIPTION	VARCHAR2 (300 CHAR)
F	CREATED_BY	NUMBER (10)
	CREATED_ON	TIMESTAMP
F	UPDATED_BY	NUMBER (10)
	UPDATED_ON	TIMESTAMP
PK_QUARTERS (ID)		
UC_QUARTERS_NAME (NAME)		
FK_QUARTERS_SEMESTERS (SEMESTER_ID)		
FK_QUARTERS_USERS_C (CREATED_BY)		
FK_QUARTERS_USERS_U (UPDATED_BY)		
PK_QUARTERS (ID)		
UC_QUARTERS_NAME (NAME)		

## Annex E. List of Remaining Bugs in PPIES

### BUGS IN THE ODA MONITORING SYSTEM (ODAMS) MODULE

Tracking No.	Description	Details	Module/Tab
MES-12	Provinces should be in proper case	Provinces listed in the "Provinces" section of the report should be in Proper Case not Uppercase.	Project Profile
MES-19	Project Cost at Project Profile	<ol style="list-style-type: none"> <li>1. Replace "ICC-Approved Cost" with "Original ICC-Approved Cost" under the Project Cost section of the report.</li> <li>2. It should retrieve the Original ICC-Approved Cost, Loan Agreement Cost, and Revised Cost from the Project Cost accordion in the Project Tab.</li> <li>3. Amounts should be rounded off to millions.</li> <li>4. "Forex (PM)" label under the ICC-Approved Cost column should be changed to Loan Proceeds (PM)</li> <li>5. "Local (PM)" and "GOP (PM)" labels should be changed to "GPH (PM)".</li> <li>6. Change "Loan Agreement Cost" to "Loan/Grant Agreement Cost"</li> <li>7. Remove the "M" after the numerical costs.</li> <li>8. Can you add (a) "Grant Proceeds (PM)" (this is GP in the input module), (b) "LGU Couterpart (PM)" and (c) "Other Cost (PM)" in the Profile if these are not empty in the input module?</li> <li>9. The "Revised Cost**" should be taken from the most recent Project Cost update - the section above the Original ICC Approved Cost and Loan Agreement Cost in the input module. Currently it returns 0. This should be taken from Page 1 of the "Cost Financing" pop-up window in the input module.</li> </ol>	Project Profile



Tracking No.	Description	Details	Module/Tab
MES-24	Financial Indicators not retrieved	<p>Retrieve the computed financial indicators and put under the Financial Performance section, in this order and format:</p> <p>"Availment Rate = " ##.## "% . (US\$" ##.## "M actual availment over US\$" ##.## "M scheduled availment)." "Availment rate is" &lt;"above/below"&gt; "the Alert Mechanism threshold of 50%" &lt;if below then ",breaching indicator 1b.", otherwise ". "&gt;</p> <p>"Disbursement Rate = " ##.## "% . (US\$" ##.## "M actual disbursement over US\$" ##.## "M target disbursement)." "Average disbursement rate over the past four quarters is" &lt;"above/below"&gt; "the Alert Mechanism threshold of 50%" &lt;if below then ",breaching indicator 1a.", otherwise ". "&gt;</p> <p>"Disbursement Ratio = " ##.## "% . (US\$ ##.## M total disbursement for the year over US\$ ##.## M net loan balance available during the year.)</p> <p>"Utilization Rate = " ##.## "% vs. Time Elapsed of " ##.## "% . Difference between Time Elapsed and Utilization Rate is "&lt;"more/less than"&gt; "30%. Alert Mechanism indicator 1c has &lt;if TE-UR&lt;=30%, then "not"&gt; "been breached".</p>	Project Profile
MES-26	New Loans Error	Can't generate the report. Error message appears.	New Loans
MES-30	Edit Region Matrix Title	It should read as: "ONGOING ODA-FUNDED PROGRAMS/PROJECTS IN REGION ____"	Regional Matrix
MES-31	Project Grouping by Coverage	<p>Major Groupings:</p> <ol style="list-style-type: none"> <li>1. Region-Specific Projects = Specific Region Coverage Type under the Coverage section of the Project Tab</li> <li>2. Multi-Regional Projects = Inter regional Coverage Type under the Coverage section of the Project Tab</li> <li>3. Nationwide = Nationwide Coverage Type under the Coverage section of the Project Tab</li> </ol>	Regional Matrix
MES-32	Location displayed should be limited to provinces in the region	"Location (Province)" column should only display the provinces in the specific region selected.	Regional Matrix


Tracking No.	Description	Details	Module/Tab
MES-34	Locations should be in Proper Case	Provinces under the "Location (Province)" column of the Regional Matrix report should be in Proper Case not Uppercase.	Regional Matrix
MES-35	Wrong Project Cost retrieved	"Project Cost (PM)" column of the report should retrieve the <i>Total Cost</i> field of the <i>Project Cost</i> accordion under the <i>Project Cost</i> Tab. And it should be rounded to millions (two decimal places).	Regional Matrix
MES-36	Retrieve "Remarks/Status"	Remarks/ Status column of the report should be:  1. "Region: <Status field under the Status by Region under the Status Tab>" if it is available, otherwise start with Item 2; 2. "Overall: <same write-up as with the Overall Assessment under the Status of Implementation section of the report	Regional Matrix
MES-38	Loan Details Not Retrieved	1. Loan Details Not Retrieved. 2. "Original Closing Date" field duplicated. 3. Revised Closing Date field should be added, and the most recent should be displayed. 4. The ff fin indicators should be shown - "Availment Rate (%): ##.##"; "Disbursement Rate (%): ##.##"; "Disbursement Ratio (%): ##.##"; "Utilization Rate (%): ##.##"; "Time Elapsed (%): ##.##".	Regional Matrix
MES-40	Groupings of Funding Agencies	Financial Reports for Loans and Grants (Details or Summary) when grouped by Funding Agency should use the ff major groupings: ADB, JICA, World Bank, China, and Others.	Loans/Grants Reports
MES-43	Rounding off to Millions in Reports (Site Wide)	Even if exact amounts are inputted in ODAMS, figures should be rounded off to millions (two decimal places) when used/displayed in reports.	Loans/Grants Reports, Project Profiles, Regional Matrix
MES-44	Documents	Uploading files work, but when adding them to a project, only two files are available, which are not even in the uploaded files list.	Documents
MES-50	Redesigned Components Table in Project Profile Report	One to Many relationship between Project Components and Output Indicators not properly represented in the matrix. Can you not repeat the Project component when it has multiple output indicators under it?	Project Profile

Tracking No.	Description	Details	Module/Tab
MES-52	Retrieved deleted output indicator in the project profile	Even the deleted output indicator seemed retrieved; it is shown in the matrix. "Bridging Materials (FC)" component for Mega Bridges Project only has four output indicators, but 5 are shown in the profile.	Project Profile
MES-54	Target at end of project under the project components	<i>Target at end of Project</i> under the Project Components Matrix does not retrieve the values in the <i>Output Indicator</i> grid of the <i>Component</i> section in the input module. Also, there shouldn't be any "M" at the end of each value.	Project Profile
MES-59	Sort by alphabetical order	Sort by alphabetical order	Loans Report - ALL
MES-60	Computation of Balance is wrong	Computation of Balance is wrong.	Loans Report - Utilization Rate
MES-61	Formula is Wrong	Formula of Unutilized Amount, Cumulative Cancellation, Total Balance and Actual Disbursement wrong.	Loans Report - Disbursement Ratio
MES-21	Overall Assessment under Status of Implementation	It should follow this template:  "Project is" <Overall Status field under Status Tab>. "Overall accomplishment is " <Actual Accomplishment field under Status Tab> "% vs. target of " <Target Accomplishment field under Status Tab> "% with "<positive/negative> "slippage of "<Slippage field under Status Tab> "%."  <Comments field under Status Tab>.	Project Profile
MES-22	Compute for Time Elapsed	Use this formula when computing for time elapsed: (Reporting Cut-off Date - Loan Effectivity Date) / (Original Loan Closing Date - Loan Effectivity Date) x 100%	Project Profile
MES-23	Remove "(As of)" in the Financial Performance section	Remove "(As of)" in the Financial Performance section of the report.	Project Profile

Tracking No.	Description	Details	Module/Tab
MES-29	Filter by Status	<p>Status dropdown box should contain the values of the Status field under the Loans Performance of the Financing Tab.</p> <p>A project will only show up when the Suspended status is chosen if all its loans have Suspended status.</p> <p>The same is true for Cancelled and Closed statuses.</p>	Regional Matrix
MES-25	Add Disbursement Ratio definition	Add under "Note" after Disbursement Rate the definition of Disbursement Ratio to wit: "Ratio of the actual disbursements for the year to the net loan amount available during the year."	Project Profile



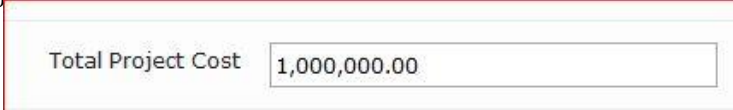

## BUGS IN THE PUBLIC INVESTMENT PROGRAM (PIP) MODULE

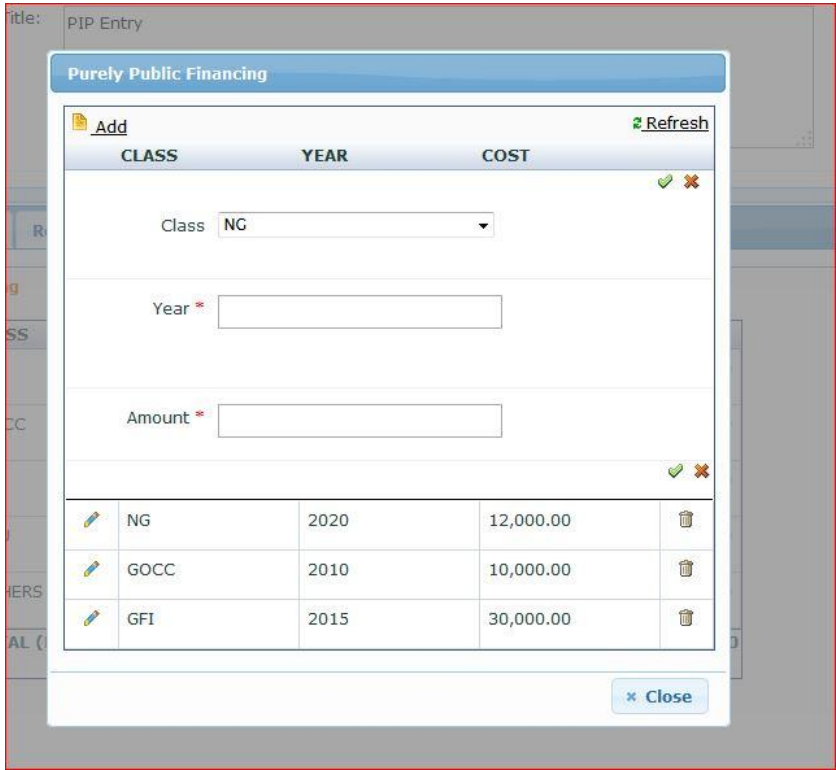
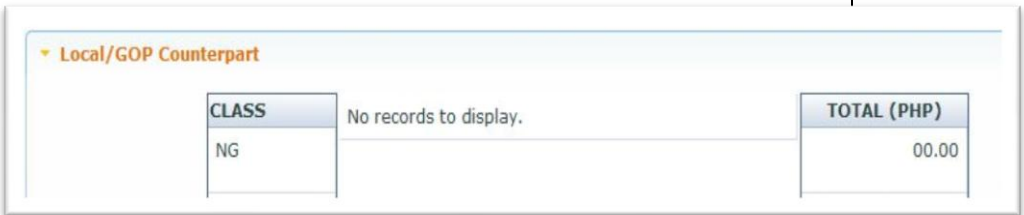
### Records/Input Module

No.	Field	Concern/Issue	Urgency/Status
1	General Info		non-urgent
2	General Info	<p>Project Type by Funding Source</p> <ul style="list-style-type: none"> <li>-Once a funding source category has been added, it can no longer be deleted, which should not be the case.</li> <li>-There is a default list of funding source already listed (pre-selected).</li> </ul>	Immediate


		<div><div>-Please reflect the following funding sources instead of those captured in the image below:</div><div><div>NG</div><div>GOCC</div><div>GFI</div><div>LGU</div><div>ODA Grant</div><div>Private Sector</div><div>Others</div></div></div> <div><div>by Funding Source</div><div><div><div><div>Add</div><div>Refresh</div></div><table><thead><tr><th>NAME</th><th></th></tr></thead><tbody><tr><td>Combinations of independent project types such as Hybrid: Private Sector and NG - ODA Loan, etc.</td><td></td></tr><tr><td>Private Sector</td><td></td></tr><tr><td>NG - ODA Loan</td><td></td></tr><tr><td>LGU</td><td></td></tr><tr><td>ODA Grant</td><td></td></tr><tr><td>NG - Locally Funded Project</td><td></td></tr><tr><td>NG - ODA Loan</td><td></td></tr><tr><td>NG - Locally Funded Project</td><td></td></tr><tr><td>Private Sector</td><td></td></tr><tr><td>GOCC/GFIs</td><td></td></tr><tr><td>ODA Grant</td><td></td></tr></tbody></table></div></div></div>	NAME		Combinations of independent project types such as Hybrid: Private Sector and NG - ODA Loan, etc.		Private Sector		NG - ODA Loan		LGU		ODA Grant		NG - Locally Funded Project		NG - ODA Loan		NG - Locally Funded Project		Private Sector		GOCC/GFIs		ODA Grant		
NAME																											
Combinations of independent project types such as Hybrid: Private Sector and NG - ODA Loan, etc.																											
Private Sector																											
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LGU																											
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NG - ODA Loan																											
NG - Locally Funded Project																											
Private Sector																											
GOCC/GFIs																											
ODA Grant																											
3	General Info	<div>Status. Kindly delete, no longer relevant</div> <div><div>Status</div><div>Undefined</div><div></div></div>	Immediate																								

No.	Field	Concern/Issue	Urgency/Status
4	General Info	<p>PDP Chapter: for updating.</p> <p><u>New Chapter assignments:</u>  Chapter 2: Macroeconomic Policy  Chapter 3: Competitive Industry and Services Sector  Chapter 4: Competitive and Sustainable Agriculture and</p>	Immediate

No.	Field	Concern/Issue	Urgency/ Status
		<p>Fisheries Sector  Chapter 5: Resilient and Inclusive Financial Sector  Chapter 6: Social Development  Chapter 7: Good Governance and the Rule of Law  Chapter 8: Peace and Security  Chapter 9: Sustainable and Climate-Resilient Environment and Natural Resources  Chapter 10: Accelerating Infrastructure Development</p> <p>If possible, tick boxes since there are projects that are responding to more than 1 chapter</p> 	
5	General Info	<p>16 Point Agenda</p> <p>Suggested to be tick boxes instead of dropdown, since there are projects that are responding to more than 1 agendum</p> 	Immediate
6	General Info	<p>Suggested to include (PhP ‘000) so that the figures that will be reflected are in thousand pesos and not in actual amount:  <del>Total Project Cost in Thousand Pesos (PhP ‘000)</del></p> 	very urgent
7	Coverage	<p>This must be renamed to ‘Spatial Coverage’</p> <p>Dropdown boxes: (1) change from Specific region to <b>Region-Specific</b>; (2) Add: <b>To be determined</b></p>	Immediate
8	General Info	<p>If possible to add another tick-box like the LGU Participated.  <b>CIP</b></p> 	Immediate

No.	Field	Concern/Issue	Urgency/ Status
9	Financing details tab	<p>Kindly update this to include <b>Private Sector; ODA Grant</b> and <b>Others</b> in the Class dropdown.</p> <p>Please ensure the following funding sources:  NG  GOCC  GFI  LGU  ODA Grant  Private Sector  Others</p> 	Immediate
10	Financing	<p>Total header, please include '000 to be reflected as <b>TOTAL (PhP '000)</b></p> 	non-urgent

## Reports Module

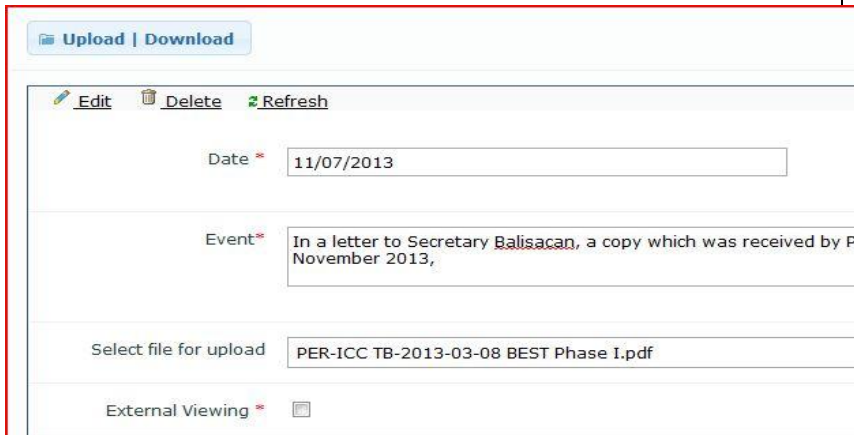

No.	Concern/Issue	Urgency/ Status
11	Kindly ensure that reports are being generated, to date, reports aren't properly generated.	Urgent
12	<p>All finance source should also be:</p> <p>NG GOCC GFI LGU ODA Grant Private Sector Others</p>	Urgent
13	<p>For the report generation, source of fund should only come from the upper part of the financing details (local/gop counterpart) and we do not intend to fill as of the moment the ODA counterpart on the second drop down, suggested to be deleted.</p> 	Urgent

## BUGS IN THE PROJECT PROPOSAL MONITORING SYSTEM (PPMS)

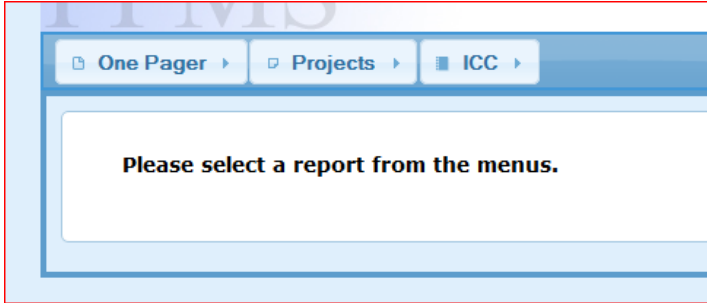

### Records/Input Module

No.	Field	Concern/Issue	Urgency/ Status
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No.	Field	Concern/Issue	Urgency/ Status
1	Chronology	<p>a. Enhancement on the chronology uploading of document – as discussed and agreed with Mark and Marc, uploading will be on a per project basis</p> <p>b. Number of characters – kindly indicate the number of characters in the event field</p> 	Very urgent
2	Transaction tab	Proposed to be hidden and visible only to Administrators	Non-urgent
3	General Info Proposed Fund Type Funding Institution Facilities	<p>For updating the fields</p> <p>Proposed fund type: To include in the list of options, local funds, remove bid plus financing Loans, Grants, PSP/ BOT projects, Bid plus Financing, Local funds, Others, Not specified</p> <p>Proposed Funding Institution and Facilities -updates are in the attached email</p> <p>On the funding facilities, please change from institution name to facility name</p> 	Urgent

## Reports Module

No.	Field	Concern/Issue	Urgency/ Status
4	Report Generation	<p>If possible to modify information to be generated or make queries, aside from the default reports to be generated;</p> 	Very urgent
5	Search/ query field	<p>The report generated for example in PDF form, does not reflect the funding institution.</p> 	Urgent
6	One pager-report/ and with chronology	Error: total project cost and (sometimes) and funding source are not reflected in the report generated.	Urgent
7	Search Results	Both Dropped and Committed project/s should be searchable.	Immediate

No.	Field	Concern/Issue	Urgency/ Status																										
8	Project Specific Result  VI. Status/ Remarks	<p>Mapping of webpage from the inputting module</p> <p>In the “VI. Status/Remarks” section, the status to be shown in the searched should be the same as the remarks section in the inputting module (not the chronology).</p> <p>Please see below example for the Philippine Rural Development Project (PRDP):</p> <p>Inputting module</p> <table><tr><td>Remarks</td><td>The project was confirmed by the NEDA Board last June 26, 2013.</td></tr><tr><td></td><td>Approved by the Joint ICC- CC&amp;TB in its 8 April 2013</td></tr></table> <p>Web page</p> <table><tr><th colspan="2">V. Financing details</th></tr><tr><th colspan="2">VI. Status / Remarks</th></tr><tr><th>Date / Year / Quarter</th><th>Remarks</th></tr><tr><td>06 Sep 2012</td><td>DA submitted its proposal to NEDA</td></tr><tr><td>11 Sep 2012</td><td>Received DA's proposal dated 6 September 2012.</td></tr><tr><td>12 Sep 2012</td><td>Letter to Secretary Alcala acknowledging receipt of DA's proposal. Complete ICC checklist and project evaluation matrix were attached.</td></tr><tr><td>12 Sep 2012</td><td>Project proposal was referred by Public Investment Staff to NEDA-Agriculture Staff (lead evaluating staff) and Project Monitoring Staff. AS was requested to directly solicit inputs from other concerned Staffs and Regional Offices</td></tr><tr><td>20 Sep 2012</td><td>Regional Development Council VII endorsement of the PRDP was received by NEDA on 26 September 2012. RDC Resolution No. 118 s 2012, endorsing the MRDP2 projects for financing under the PRDP amounting to no less than US\$200M</td></tr><tr><td>27 Aug 2012</td><td>WB letter to DA informing that a PRDP preparation mission will be fielded from August 30 to September 28. A copy was received by NEDA-PIS on August 28, 2012</td></tr><tr><td>08 Aug 2012</td><td>Letter of DA to NEDA-PIS inviting for a meeting to discuss PRDP on 15 August 2012, 8:30 am at te NAFC Apacible Hall, DA, Diliman, Quezon City. Advance copy of the draft fs will be provided by email. -The proposed meeting did not push through</td></tr><tr><td>16 Oct 2012</td><td>In a letter to NEDA, DA submitted the additional submission and revisions of the Department of Agriculture following the 26 September 2012 meeting with the NEDA Secretariat and DA. Also attached are the following documents: 1. Revised ICC PE Forms 2. Project Evaluation Matrix 3.</td></tr></table>	Remarks	The project was confirmed by the NEDA Board last June 26, 2013.		Approved by the Joint ICC- CC&TB in its 8 April 2013	V. Financing details		VI. Status / Remarks		Date / Year / Quarter	Remarks	06 Sep 2012	DA submitted its proposal to NEDA	11 Sep 2012	Received DA's proposal dated 6 September 2012.	12 Sep 2012	Letter to Secretary Alcala acknowledging receipt of DA's proposal. Complete ICC checklist and project evaluation matrix were attached.	12 Sep 2012	Project proposal was referred by Public Investment Staff to NEDA-Agriculture Staff (lead evaluating staff) and Project Monitoring Staff. AS was requested to directly solicit inputs from other concerned Staffs and Regional Offices	20 Sep 2012	Regional Development Council VII endorsement of the PRDP was received by NEDA on 26 September 2012. RDC Resolution No. 118 s 2012, endorsing the MRDP2 projects for financing under the PRDP amounting to no less than US\$200M	27 Aug 2012	WB letter to DA informing that a PRDP preparation mission will be fielded from August 30 to September 28. A copy was received by NEDA-PIS on August 28, 2012	08 Aug 2012	Letter of DA to NEDA-PIS inviting for a meeting to discuss PRDP on 15 August 2012, 8:30 am at te NAFC Apacible Hall, DA, Diliman, Quezon City. Advance copy of the draft fs will be provided by email. -The proposed meeting did not push through	16 Oct 2012	In a letter to NEDA, DA submitted the additional submission and revisions of the Department of Agriculture following the 26 September 2012 meeting with the NEDA Secretariat and DA. Also attached are the following documents: 1. Revised ICC PE Forms 2. Project Evaluation Matrix 3.	Immediate
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No.	Field	Concern/Issue	Urgency/ Status																																																																		
9	Advance Search	<p>On the search criteria, it is fine to have the status ‘proposed’ for the PPMS module searching (see picture 1). However, it is suggested that once the search is complete (see picture 2), kindly display its actual status as reflected in the inputting module (see picture 3) and in the selected project’s I. Profile (see picture 4).</p> <p><b>Picture 1</b></p> <div><div>DashboardSearchAbout Us</div><div><div>Advance Search</div><div><div>Search criteria</div><div><div>Keywords</div><div>Search</div></div><div><div>Status</div><div><input checked="" type="checkbox"/> Proposed<input type="checkbox"/> On-going<input type="checkbox"/> Completed</div></div><div><div>Module</div><div><input type="checkbox"/> Comprehensive and Integrated Infrastructure Program<input type="checkbox"/> Public Investment Program</div></div><div><div>Period</div><div><div>From</div><div></div><div>To</div><div></div></div></div></div></div><p><b>Picture 2</b></p><div><div>There are 18 projects in your search results.</div><div>Filter:</div><table><thead><tr><th>Code</th><th>Title</th><th>Status</th><th>Start Date</th></tr></thead><tbody><tr><td>P-09-0023a</td><td>Conflict Sensitive Resource and Asset Management (COSERAM)</td><td>Proposed</td><td></td></tr><tr><td>P-01-0433a</td><td>Italian Agrarian Reform Community Development Support Program</td><td>Proposed</td><td></td></tr><tr><td>P-01-0424a</td><td>Malitubog-Maridagao Irrigation Project, Stage 2</td><td>Proposed</td><td></td></tr><tr><td>P-01-0005a</td><td>Italian Agrarian Reform Community Development Support Project (IARCDSP) (formerly Agrarian Reform Community Development Support Project (ARCDSP))</td><td>Proposed</td><td></td></tr><tr><td>P-01-0438a</td><td>Fisheries, Coastal Resources and Livelihood (FishCoRAL) Project (former titles: 1) "Coastal Resource Management and Value Chain Development Project" and 2) "Coastal Resources and Fisheries Improvement Project (CoRFIP)"</td><td>Proposed</td><td>01 Jan 2014</td></tr><tr><td>P-04-0848a</td><td>Flood Risk Management Project for Cagayan de Oro River</td><td>Proposed</td><td></td></tr><tr><td>P-01-0184a</td><td>Mindanao Sustainable Settlement Area Development Project (MINSSAD), Phase II</td><td>Proposed</td><td></td></tr><tr><td>P-01-0439a</td><td>Convergence on Value-Chain Enhancement for Rural Growth and Empowerment (Project CONVERGE): Increasing Participation of Agrarian Reform Beneficiaries, Indigenous Peoples, and Rural Women in the Agricultural Value Chain</td><td>Proposed</td><td>01 Jan 2013</td></tr><tr><td>P-04-0776a</td><td>Urban Water Supply and Sanitation Project</td><td>Proposed</td><td>01 Jan 2014</td></tr><tr><td>P-04-0864a</td><td>Davao Sasa Port Modernization Project</td><td>Proposed</td><td></td></tr><tr><td>P-04-0782a</td><td>Market Transformation through the Introduction of Energy Efficient Electric Vehicles</td><td>Proposed</td><td>01 Jan 2013</td></tr></tbody></table></div><p><b>Picture 3 (from webpage display)</b></p><div><div>Add</div><div><div>A B C D E F G H I J K L M N O P Q R S T U V W X Y Z Others</div><table><thead><tr><th>CODE</th><th>TITLE</th><th>STATUS</th><th>START D</th></tr></thead><tbody><tr><td>P-04-0773a</td><td>Cebu Bus Rapid Transit</td><td>Firm Pipeline</td><td></td></tr></tbody></table><div>A B C D E F G H I J K L M N O P Q R S T U V W X Y Z Others</div></div></div><p><b>Picture 4 (from inputting module)</b></p><div><div>Profile</div><table><tbody><tr><td>Project title</td><td>Cebu Bus Rapid Transit</td></tr><tr><td>Acronym</td><td>Cebu BRT</td></tr><tr><td>Status</td><td>Proposed</td></tr><tr><td>Implementation period</td><td>-</td></tr><tr><td>Total project cost (PhP M)</td><td>10,903.69 M</td></tr></tbody></table></div></div>	Code	Title	Status	Start Date	P-09-0023a	Conflict Sensitive Resource and Asset Management (COSERAM)	Proposed		P-01-0433a	Italian Agrarian Reform Community Development Support Program	Proposed		P-01-0424a	Malitubog-Maridagao Irrigation Project, Stage 2	Proposed		P-01-0005a	Italian Agrarian Reform Community Development Support Project (IARCDSP) (formerly Agrarian Reform Community Development Support Project (ARCDSP))	Proposed		P-01-0438a	Fisheries, Coastal Resources and Livelihood (FishCoRAL) Project (former titles: 1) "Coastal Resource Management and Value Chain Development Project" and 2) "Coastal Resources and Fisheries Improvement Project (CoRFIP)"	Proposed	01 Jan 2014	P-04-0848a	Flood Risk Management Project for Cagayan de Oro River	Proposed		P-01-0184a	Mindanao Sustainable Settlement Area Development Project (MINSSAD), Phase II	Proposed		P-01-0439a	Convergence on Value-Chain Enhancement for Rural Growth and Empowerment (Project CONVERGE): Increasing Participation of Agrarian Reform Beneficiaries, Indigenous Peoples, and Rural Women in the Agricultural Value Chain	Proposed	01 Jan 2013	P-04-0776a	Urban Water Supply and Sanitation Project	Proposed	01 Jan 2014	P-04-0864a	Davao Sasa Port Modernization Project	Proposed		P-04-0782a	Market Transformation through the Introduction of Energy Efficient Electric Vehicles	Proposed	01 Jan 2013	CODE	TITLE	STATUS	START D	P-04-0773a	Cebu Bus Rapid Transit	Firm Pipeline		Project title	Cebu Bus Rapid Transit	Acronym	Cebu BRT	Status	Proposed	Implementation period	-	Total project cost (PhP M)	10,903.69 M	Very urgent
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## Annex F. Key PPIES Enhancements to be Implemented

Enhancements to the current version of PPIES shall include, but is not limited to the following:

Area of Concern	Specifications for the Enhancement of PPIES
Linking PPIES (inter-module and inter-system)	<ul style="list-style-type: none"> <li>• Within PPIES of the NCO, the coherence of the information managed by the different modules (i.e., the Comprehensive and Integrated Infrastructure Program or CIIP, the Project Proposal Monitoring System or PPMS, the Public Investment Program, and the ODA Monitoring System or ODAMS) should also be ensured by the central relational database to which they will have access.</li> <li>• Development of an MIS solution to be used by the NEDA Regional Offices based on the requirements of the RPMES and other requirements as may be identified during consultations. (The solution may be based on the PPIES, either with a local copy in the region or a web-only access to the central system lodged in the NCO). A single central relational database should encompass this system for the NROs and the PPIES of the NCO to ensure coherence and aggregation of information.</li> <li>• The business process (1) among the different units within the NCO and the NROs and (2) between the NCO and the NROs should be considered in establishing the central relational database relationship to ensure coherence of information, avoid data duplication, and maintain data integrity.</li> <li>• A single protocol for the identification of a unique project/program should be adopted by the NCO and the NROs.</li> </ul>
Expanding PPIES scope and information base	<ul style="list-style-type: none"> <li>• fields, tables and reports generation for evaluation data (ex-post evaluation and impact evaluation) supported</li> <li>• fields and reports for monitoring of locally-funded, PPP, and other priority non ODA-assisted projects supported</li> <li>• consistency with Regional Project Monitoring and Evaluation System (RPMES) implemented (Annex G)</li> <li>• aggregation and synthesis of inputted regional data into national level data facilitated</li> <li>• tracking of the results statements and indicators of the Philippine Development Plan-Results Matrix (PDP-RM) and the Regional Development Plan-Results Matrices (RDP-RMs)</li> <li>• assessment of the alignment &amp; contribution of the RDP-RMs with the PDP-RM facilitated</li> <li>• assessment of the links/contribution of project/program outputs/outcomes to sector outcomes in the PDP-RM &amp; RDP-RMs facilitated</li> <li>• issues/problems and lessons learned captured</li> <li>• uploading/viewing of project photos allowed</li> <li>• reference or source of information captured</li> </ul>

Area of Concern	Specifications for the Enhancement of PPIES
Need for wider online access, enhanced security, compliance to the Open Data Agenda, and greater automation	<ul style="list-style-type: none"> <li>• online generation of reports facilitated (both pre-defined reports and a dataset containing a masterlist of all available data – or user-defined custom reports – with the reports available in both human- and machine-readable non-proprietary formats such as opensource spreadsheets, CSV, etc.)</li> <li>• automatic "alarm bells" created for both data quality control and project/program monitoring data, wherein the system generates a report log or shows a warning/email notification to concerned NEDA &amp; IA office/staff/personnel on the status of/updates on critical/problematic projects/programs when discrepancies on inputted and/or processed information go beyond pre-established limits (e.g., as against the thresholds as per the NEDA MES Alert Mechanism (Annex H) and the prescribed timelines and documentary requirements as per the ICC approval process). Internal data processing that generates the alarm bells may be done weekly (outside office hours to avoid processing overload) or as needed by the user with a click of a button.</li> <li>• creation of a content management module (to add/edit fields, modify reference tables, etc.) or a data file maintenance module (to add records under existing fields of reference tables and to customize back-up fields [unnamed/open fields per data type] in anticipation of the need for additional data fields in the future).</li> <li>• inputting data by uploading spreadsheets online in predefined formats/templates facilitated</li> <li>• data validation feature, wherein data updates (add, delete, or modify) are applied only after confirmation/vetting of a supervisor. There should be a module/dashboard wherein supervisors see list of data updates made by encoders which are still pending validation/vetting</li> <li>• required or important data fields highlighted in red font</li> <li>• online data access, i.e., input/viewing (by NROs, NEDA CO, central and regional offices of IAs, development partners) facilitated</li> <li>• sorting of search results based on basic project profile fields</li> <li>• mobile responsiveness of the application/software ensured</li> <li>• feedback mechanism for the general public created, where the public can post comments/remarks on projects/programs in the public web portal, which are then logged to a database, then emailed to the concerned NEDA &amp; IA office/staff/personnel for information</li> <li>• improvement of the design of the web module to provide project information consistent with NEDA's disclosure policy</li> <li>• security features implemented <ul style="list-style-type: none"> <li>- multi-user password protected access by user type, i.e., as viewer, admin user, encoder (primary and secondary as approver), etc.</li> <li>- registry of access levels, permissions, roles of various users</li> <li>- implementation of the Philippine National Public Key Infrastructure (PKI), especially for the approving/validating user accounts</li> </ul> </li> <li>• automated system back-up protocols and data recovery features</li> </ul>



**Annex G. Prescribed Reports Format as per the  
Regional Project Monitoring and Evaluation System (RPMES) Manual  
(see attached document)**



## Annex H. Alert Mechanism

The NEDA's internal Alert Mechanism (AM), which was introduced in 2009, identifies and flags projects which require priority monitoring and facilitation.

An alert mechanism for flagging problem projects was first envisioned under the NEDA Project Monitoring Staff (PMS) Manual for Project Monitoring which was published in 2004. The manual provides for: (a) the classification of problem projects into potential and actual; (b) leading indicators for assessing actual problem projects; and (c) the procedure for flagging problem projects.

Since the formal institutionalization of the Alert Mechanism in 2009, it has been used to generate quarterly reports on problem projects for the NEDA management. The AM utilizes indicators to classify ongoing ODA-loan assisted programs and projects into Potential (with one indicator category breached) and Actual problem projects (with at least two indicator categories breached).

Actual problem projects are further classified into two (2) alert levels: Level I, which is the Early Warning Stage; and Level II, which is the Critical Stage. An actual problem project that stays in the early warning stage for at least six months gets elevated to the critical stage. The AM uses the following leading indicators on financial, physical, cost overrun and stage of project implementation (indicators 1-4) to identify potential and actual problem projects.

Category	Indicators
<b>Financial</b>	
	<b>1a</b> – average disbursement rate <sup>6</sup> is below 50 percent for one year or in the last four quarterly reporting periods  <b>1b</b> – difference between time elapsed <sup>7</sup> and utilization rate <sup>8</sup> is more than 30 percent
<b>Physical</b>	
	<b>2a</b> – at least 10 percent physical slippage <sup>9</sup>  <b>2b</b> – delay in any major activity in the critical path for at least six months and/or with some activities for completion only after an extended period of implementation/loan validity
<b>Cost Overrun</b>	
	<b>3a</b> – potential cost overrun of at least 10 percent of ICC-approved cost  <b>3b</b> – actual cost overrun of at least 10 percent of ICC-approved cost (excluding cost overrun with NEDA Board confirmation of ICC approval)
<b>Stage of Project Implementation</b>	

<sup>6</sup> Actual disbursements as a percentage of target disbursements for a given year.

<sup>7</sup> Length of time the loan is active (reckoned from the date of loan effectivity to reporting period) as a percentage of the period of loan effectiveness

<sup>8</sup> Ratio of cumulative actual disbursements to the net commitment

<sup>9</sup> Difference between actual and target physical accomplishment expressed in percentage

	<b>4a</b> – project is completing within the year <sup>10</sup> <b>4b</b> – project has entered midterm of implementation
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<sup>10</sup> *A completing project shall refer either to physical completion or loan closing.*

### Annex I. Gantt Chart of Major Activities and Deliverables

Activities	Month*																			Deliverables/Outputs
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	...	23	24		
Prepare the Inception Report																				Inception report to include (a) indicative work plan and (b) template of progress reports in electronic and hard copy (3 sets)
<b><i>PPIES Enhancement</i></b>																				
Perform system analysis on the current version of PPIES (for both the internal and the public web portal)																				Systems analysis report (includes documentation of the database structure, links and relationships, reports and summary-tables) in electronic and hard copy (3 sets)
Consult with the actors involved in the NCO to identify additional information, reports, summary-table requirements and desired new features or improvements																				Minutes of meetings (key agreements)
Draft the System Design Specification and Use Case/Mock-up (with diagram)																				Draft System Design and Use Case/Mock-up in electronic and hard copy (3 sets)
Discuss the draft system design with the concerned actors																				Minutes of meetings (key agreements)
Prepare (a) the System Design Specification and (b) Use Case/Mock-up (with diagram) (procedures, information flow, and concerned actors)																				Revised (a) System Design Specifications (b) Use Case/Mock-up (with diagram) in electronic and hard copy (3 sets)
Prepare revised detailed work plan																				Revised work plan in electronic and hard copy (3 sets)

**Annex I. Gantt Chart of Major Activities and Deliverables**

Activities	Month*																			Deliverables/Outputs
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	...	23	24		
Create a Quality Assurance module to: (1) keep track of the progress of development of planned MIS features/components/routines; (2) facilitate user testing, bug reporting and tracking; and (3) document system crashes/failures and corresponding fixes/solutions.																				Quality Assurance Module
Perform bug fixing, front-end and back-end programming, and web development to enhance the current version of PPIES (both the internal and the public web portal)																				
Develop Enhanced PPIES (Beta Version)																				Enhanced PPIES (Beta Version)
Prepare/submit in soft (2 CD copies) and hard copies (2 sets): (a) user manual; (b) training manual; and (c) e-Learning module (web-based and CD-based instructional training) complete with screenshots and voice-over.																				a) user manual (2 CD copy and 2 hard copies) b) training manual (2 CD copy and 2 hard copies) c) e-Learning module
Conduct user training for NCO																				a) PPT presentation (1 CD copy and 1 hard copy) b) Accomplished evaluation forms c) Summary report on the training evaluation, in electronic and hard copy (2 sets)
Unified NRO MIS																				

**Annex I. Gantt Chart of Major Activities and Deliverables**

Activities	Month*																			Deliverables/Outputs
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	...	23	24		
Study existing documentation of the different project/program MIS of the NROs and the report formats prescribed in the RPMES Manual																				
Consult with the NROs and gather additional information as to their MIS requirements																				Minutes of meetings and/or Report on consolidated NRO inputs.
Prepare a report detailing the different approaches to a unified MIS system design across NROs which should be linked with the PPIES of the NCO, including the recommend approach, its justification and software and network setup requirements.																				Alternatives analysis report on the recommended approach for a unified MIS for NROs.
Draft the System Design Specifications and Use Case/Mock-up (with diagram) for a unified MIS for NROs																				Draft System Design Specifications for NRO MIS
Discuss the draft System Design Specifications and Use Case/Mock-up with the concerned actors, then adjust and refine accordingly.																				Minutes of meetings and/or Report on consolidated NRO inputs.
Prepare (a) the System Design Specification for NRO MIS and (b) Use Case/Mock-up (with diagram)																				Revised (a) System Design Specifications for NRO MIS and (b) Use Case/Mock-up (with diagram)
Prepare revised detailed work plan																				Revised work plan
Update Quality Assurance module to: (1) keep track of the progress of development of the planned unified MIS for NROs; (2) facilitate user testing, bug reporting and tracking; and (3) document system crashes/failures and corresponding fixes/solutions.																				Updated Quality Assurance Module

**Annex I. Gantt Chart of Major Activities and Deliverables**

Activities	Month*																			Deliverables/Outputs
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	...	23	24		
Perform bug fixing, front-end and back-end programming, and web development for the unified NRO MIS (both the internal and the public web portal)																				
Develop Unified NRO MIS (Beta Version)																			Unified NRO MIS (Beta Version)	
Prepare and submit in soft (2 CD copies) and hard copies (2 sets): (a) user manual; (b) training manual; and (c) e-Learning module (web-based and CD-based instructional training) complete with screenshots and voice-over.																			a) user manual (2 CD copy and 2 hard copies) b) training manual (2 CD copy and 2 hard copies) c) e-Learning module	
Conduct user training for NRO staffs																			a) PPT presentation (1 CD copy and 1 hard copy) b) Accomplished evaluation forms c) Summary report on the training evaluation, in electronic and hard copy (2 sets)	
<b><i>Procurement for GIS Integration</i></b>																				
Consult with the NEDA TCT to identify the desired GIS-supported features																			Minutes of meetings (key agreements)	
Draft the Terms of Reference and Rating Scheme																			Draft TOR and Rating Scheme for the Consulting Firm for (a) designing, developing and integrating GIS and (b) for supervision of implementation	

**Annex I. Gantt Chart of Major Activities and Deliverables**

Activities	Month*																				Deliverables/Outputs
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	...	23	24			
Identify potential service providers (key market players in the field of GIS development) and conduct market sounding																				a) List and contact details of potential bidders b) Minutes of meetings (key findings)	
Prepare and submit revised TOR																				Revised TOR and Rating Scheme for the Consulting Firm for (a) designing, developing and integrating GIS and (b) for supervision of implementation	
Administrative																					
Participate in bimonthly meetings																				24 Minutes of Meetings (key agreements)	
Prepare and submit bimonthly progress reports																				24 bimonthly progress reports	
Prepare and submit monthly progress billing																				Billing statements	
System Finalization																					
Provide for a twelve-month warranty and defects liability period																				Zero outstanding bug count in the Quality Assurance Module	
Finalize the Enhanced PPIES and Unified NRO MIS																				Enhanced PPIES and Unified NRO MIS (Final versions)	
Turn-over source codes to NEDA-TCT																				3 CD copies of system source code	
Prepare and submit in soft (3 CD copies) and hard copies (3 sets) the system documentation manual																				System documentation manual in soft (3 CD copies) and hard copies (3 sets)	

\* Indicative only, final schedule to be proposed by the Consulting Firm and approved by the NEDA.