

REQUEST FOR EXPRESSION OF INTEREST

HIRING OF CONSULTANCY SERVICES FOR THE DSWD ENTERPRISE DATA WAREHOUSING AND DATA SHARING PROJECT

-REI No. GOP/14-DSWD-041-

-RIS/PR No. 14092805-

1. The Department of Social Welfare and Development (DSWD), through the Information Communications Technology Management Service (ICTMS) – Miscellaneous and Other Operating Expenses (MOOE) Funds intends to apply the sum of **Ten Million Pesos (Php 10,000,000.00)** being the Approved Budget for the Contract (ABC) for payments under the contract of **Hiring of Consultancy Services for the DSWD Enterprise Data Warehousing and Data Sharing Project (REI No. GOP/14-DSWD-041)**. Bids received in excess of the ABC shall be automatically rejected at the opening of the financial proposals.
2. The DSWD now calls for the submission of eligibility documents for the hiring of consultancy firm who will be tasked to build an Enterprise Service Bus to integrate all DSWD information systems needed to capture pertinent data of DSWD Core Social Protection Programs that will identify the services of the Department to each beneficiary. The scope of work and the deliverables of the consultancy services are as follows:

2.1 SCOPE OF WORK

2. 1. 1 Consult, Design and Implement Enterprise Data Architecture Services for the DSWD Enterprise

- 2.1.1.1 The service provider shall provide consultancy services to design and Implement an Enterprise Data Architecture suited for DSWD.
- 2.1.1.2 The service provider shall perform Analysis of the existing DSWD systems and craft an effective and applicable Data Architecture to align it to current requirements and prepare it for future needs.

The DSWD Systems are as follows:

- CRIMS (AICS)
- ECCD-IS
- eSCMS
- PPPP-IS
- NHTO
- SLP-IS
- eDRS
- SWDA Databank
- Kalahi NCDDP
- Supplementary Feeding Program

- 2.1.1.3 The service provider shall Implement DSWD Enterprise Data Architecture Agency-wide.
- 2.1.1.4 The service provider shall research current policies pertaining to the DSWD data structure to provide enhancement and craft new policies if needed, to effectively affect adoption of the Enterprise Data Architecture.
- 2.1.1.5 Provide training for DSWD personnel.
- 2.1.1.6 Provide complete project documentation

2.1.2 Consult, Design and Implement a Pre-Data warehousing and Data Sharing Services for DSWD Enterprise

- 2.1.2.1 The service provider shall provide a consultancy services to ANALYZE, IDENTIFY, DESIGN AND IMPLEMENT all needed pre-data warehousing services to the DSWD Enterprise to be able to identify all of DSWD services being provided to each indigent.
- 2.1.2.2 DSWD Enterprise Systems are as follows:
 - CRIMS (AICS)
 - ECCD-IS
 - eSCMS
 - PPPP-IS
 - NHTO
 - SLP-IS
 - IDRS
 - SWDA Databank
 - Kalahi NCDDP
 - Supplementary Feeding Program
- 2.1.2.3 The service provider shall implement the approved design and needed services to institute a functional data warehousing and sharing solution.
- 2.1.2.4 The service provider shall craft policies needed to safeguard and institute future use of data transformation and cleansing procedures.
- 2.1.2.5 Provide training for DSWD personnel on the technology used in this activities.
- 2.1.2.6 Provide complete product and project documentation.
- 2.1.2.7 Provide consultancy and advisory on system performance tuning.
- 2.1.2.8 Provide advisory and assistance during system trial operation.

2.1.3 Design, Load and Implement a Subscription-based Data Warehousing Solution for the DSWD Enterprise

- 2.1.3.1 The service provider shall provide a subscription-based data warehousing solution to the DSWD Enterprise

- 2.1.3.2 The solution must be a complete data warehousing and data sharing solution in the Cloud.
- 2.1.3.3 Both the Warehousing cluster, Analytics and Business Intelligence Solution must reside on the same Cloud platform for a single management interface.
- 2.1.3.4 The solution must be able to use Massively Parallel Processing and Columnar storage technology.
- 2.1.3.5 The solution must have single management website to manage all of the components and must provide mobile device client to be able to remotely manage all aspects of it.
- 2.1.3.6 The solution must be setup in a cluster for redundancy and load balancing to achieve faster execution of workloads.
- 2.1.3.7 The solution must be a purposely built for data warehousing, most of the common administrative tasks should have been automated like provisioning, configuring, monitoring the solution.
- 2.1.3.8 With built-in security and encrypt data at rest and in transit. All connections attempts, queries, API calls, and changes to the cluster should be logged and auditable.
 - 2.1.3.8.1 The cloud subscription will have unlimited usage of the resource 24/7 for twelve months.
 - 2.1.3.8.2 The cloud resource must be able to host clustered databases and presentation layer to be able to support surge and regular users.
- 2.1.3.9 The resource must have not lower than 85% capacity available at any given time.
- 2.1.3.10 Provide training for DSWD personnel
- 2.1.3.11 Provide product and project documentation.
- 2.1.3.12 Provide consultancy and advisory on system performance tuning.
- 2.1.3.13 Provide advisory and assistance during system trial operation.

2.2 Consult, Design and Implement a Web-Based Portal for Data Sharing

- 2.2.3 The service provider shall provide a consultancy services to ANALYZE, IDENTIFY, DESIGN AND IMPLEMENT all needed services for data sharing
- 2.2.4 DSWD Enterprise Systems are as follows:

- CRIMS (AICS)
- ECCD-IS
- eSCMS
- PPPP-IS
- NHTO
- SLP-IS
- IDRS
- SWDA Databank
- Kalahi NCDDP
- Supplementary Feeding Program

- 2.2.5 The service provider shall provide a functional conceptual design and implementation for a web base data sharing portal that contains Business Intelligence and Data Analytics that would provide Dashboards for each user group.
- 2.2.6 Provide training for DSWD personnel on the technology used in this activities.
- 2.2.7 Provide complete product and project documentation.
- 2.2.8 Provide consultancy and advisory on system performance tuning.
- 2.2.9 Provide advisory and assistance during system trial operation.

2.1.4 Facilities

- 2.1.4.1 The service provider shall provide the necessary test hardware for the project.
- 2.1.4.2 Internet connection, office space and staging area during meetings, on-site installation and testing shall be provided by DSWD.

2.1.5 Detailed Design

- 2.1.5.1 Prior to the deployment of the solution, DSWD and the service provider shall conduct series of discussions to finalize the detailed design and technical specifications of the solution such as data elements of database tables, report contents and format, interface display design, etc. These activities also aim to expound on most of the agreements reached during project scoping.
- 2.1.5.2 No requirements and design changes shall be made after design freeze and activity has been completed. Project and product changes shall go through a change management procedure.

2.2 DELIVERABLES

2.2.1 Consult, Design and Implement an Enterprise Data Architecture Services for the DSWD Enterprise

- 2.2.1.1 The service provider shall deliver a functional Enterprise Data Architecture specifically design to DSWD.

2.2.1.2 The service provider shall deliver a complete documentation on the DSWD Enterprise Data Architecture.

2.2.1.3. Documentation includes but not limited to the following;

- Methodology on how the new DSWD Enterprise Data Architecture was developed
- Policies that needs to be implemented along with the new data architecture to ensure its agency wide application.
- Approved Implementation Playbook
- Risk and Change Management
- Acceptance from end user: ICTMS

2.2.1.4 Provide training for DSWD personnel.

2.2.2 Consult, Design and Implement a Pre-Data warehousing Services for DSWD Enterprise

2.2.2.1 The service provider shall provide detailed analysis on existing systems and data of DSWD.

2.2.2.2 Based on the analysis, the service provider shall deliver a functional Design and an approved implementation plan on how to effectively execute these services.

2.2.2.2.1 The ultimate result is for the system to provide, on a dashboard, the number of services being received by each indigent with a drill down specifics.

2.2.2.2.2 To produce the result, information shall be coming from the following program;

- Pantawid Data
- KALAHI-NCCDP – direct beneficiaries only
- Sustainable Livelihood
- Social Pension
- Supplementary Feeding Program
- Assistance to Farmer-Pantawid beneficiaries (in partnership with Dept. of Agriculture)
- Assistance to Individuals in Crisis Situation

2.2.2.3 The service provider shall deliver a complete documentation all pre-data warehousing and sharing services.

Documentation includes but not limited to the following;

- Detailed list of services done as per DSWD system
- Exact number of man-hour spent and specific outcomes
- Approved Implementation Playbook
- Risk and Change Management Plan
- Acceptance from end user: per DSWD System

2.2.2.4 Provide training for DSWD personnel, System Admins and Users

2.2.3 Design, Load and Implement a Subscription-based Data Warehousing Solution for the DSWD Enterprise

2.2.3.1 The service provider shall provide a subscription based-services for the complete Data Warehousing solution.

2.2.3.2 Subscription will be paid monthly and covers at least one year renewable every year until the services are required by the DSWD management.

2.2.3.3 The turnkey solution must be able to meet a Service Level Agreement of at least 99.95% uptime.

2.2.3.4 The turnkey solution must be at least running 85% capacity at most.

2.2.3.4.1 When the capacity reaches 75% an upgrade must already be initiated and delivered within the hour at the most.

2.2.3.5 The data warehousing solution must be configured in a cluster for redundancy and speed.

2.2.3.6 The data warehousing solution must use Massively-parallel processing (MPP) and columnar data storage technology to provide fast and speedy results.

2.2.3.7 The data warehousing solution must use adaptive compression encoding built to maximize columnar storage to reduce time and disk I/O

2.2.3.8 The data warehousing solution must have query optimizer that is MPP-aware and that it also takes advantage of the columnar-oriented data storage.

2.2.3.9 The warehousing solution must have its own security management module for granting privileges.

2.2.3.10 The solution must have a way of loading and unloading massive data from client side to the cloud and vice versa.

2.2.3.11 The solution must have high query performance on datasets of different sizes, from a few hundred gigabyte to petabytes or more.

2.2.3.12 The solution must be highly scalable from a single instance to 10s and more nodes in a cluster.

2.2.3.12.1 Scaling must be very easy enough that it can be done on a just a few mouse clicks

- 2.2.3.13 The solution must be fully managed from provisioning, configuring, monitoring, backing up and restoration.
- 2.2.3.14 The solution must be designed specifically for data warehousing and data sharing.
- 2.2.3.15 Must provide comprehensive support system and documentation for SQL, Table, Configuration references and best practices that can be used to manage and operate the solution.
- 2.2.3.16 The solution must have a Console for monitoring performance.
- 2.2.3.16.1 This must include information about the data warehouse cluster, load, and query performance.
- 2.2.3.16.2 Can create alarms and other cluster metrics for monitoring.
- 2.2.3.17 The solution must have a comprehensive database audit logging capabilities.
- 2.2.3.18 Must provide support for 3rd party database connector from the client side.
- 2.2.3.19 The solution must reside purely on the Cloud but the datacenter hosting the cloud solution must be located within the Philippines.
- 2.2.3.19.1 The datacenter hosting the cloud solution must be hosted on a purposely built N+1 datacenter with the following ISO certifications;
- ISO 27001
 - ISO 9001
 - ISO 20000
 - ISO 14001
 - BS 25999

2.2.4 Consult, Design and Implement a Web-Based Portal for Data Sharing

- 2.2.4.1 The service provider shall study and analyze the existing systems of DSWD as stated below, and identify all needed requirement to successfully create needed reports and dashboard that can be shared to all DSWD stakeholders.
- 2.2.4.2 The service provider shall provide detailed analysis on the web based data sharing portal requirement of DSWD.

DSWD Enterprise Systems are as follows;

- CRIMS (AICS)
- ECCD-IS
- eSCMS
- PPPP-IS
- NHTO
- SLP-IS
- IDRS
- SWDA Databank
- Kalahi NCDDP

2.2.4.3 The service provider shall provide a functional conceptual design and approved implementation Plan for a web base data sharing portal that contains Business Intelligence and Data Analytics that would deliver Dashboards for each user group.

2.2.4.3.1 The ultimate result is for the system to provide, on a dashboard, the number of services being received by each indigent with a drill down specifics.

2.4.3.1.1 To produce the result, information shall be coming from the following program;

- Pantawid Data
- KALAHI-NCCDP – direct beneficiaries only
- Sustainable Livelihood
- Social Pension
- Supplementary Feeding Program
- Assistance to Farmer-Pantawid beneficiaries (in partnership with Dept. of Agriculture)
- Assistance to Individuals in Crisis Situation

2.2.4.4 The portal solution must be hosted both on premises and on a Cloud and must be able to work seamlessly with the HADOOP solution or alternative with the same capabilities, for combining unstructured and structured data of DSWD.

2.2.4.5 The solution must be able to show drill down information where and what services DSWD is providing for each beneficiaries, how and from what specific programs or projects are effectively being delivered.

2.2.4.6 The solution must be able to provide varying capabilities to users according to their specific roles and security clearances.

2.2.4.7 The solution must be able to provide updates of reports automatically through, email, dashboard site and alerts through SMS should the user chooses to.

2.2.4.8 The solution must be ready for future capabilities like – providing a dashboard for each beneficiaries which they can access through web, SMS, Voice Attendant, email or other mediums.

2.2.4.9 Security must be an integral part of the solution. It must be capable of variety

of options, like two factor authentication, PKI certificates/digital certificates and other safeguards that can protect the system from unauthorized users.

2.2.4.10 Portal

- 2.2.4.10.1 DSWD will use Content Management System (CMS) for an intuitive user interface which will allow them to maintain their site. This could include uploading new content or modifying existing content. Content could be in the form of text, dashboards, reports, or publications.
- 2.2.4.10.2 Different web pages shall be created to serve as different dashboards that may be individually launched by the user.
- 2.2.4.10.3 A main web page for DSWD shall be available once logged in containing details for all available dashboards for the user and any other details that may be placed by the content administrator
- 2.2.4.10.4 The main web page shall also contain a ticker that may be configured by the content administrator

2.2.4.11. Data Analytics

- 2.2.4.11.1 The Data and Analytics page is the main page where users have direct access to DSWD Welfare Indicators and Programs. Users can view individual regional data sheets which can be displayed as tables, charts, or maps.
- 2.2.4.11.1 Regional Profile.
- 2.2.4.11.2 The Regional Profile page provides a selection of welfare data and statistics, analytic summaries, trends and other information at the regional level. The top half of a regional profile page provides General Information about the region and a summary of key statistics.
- 2.2.4.11.3 Regional Profile Sub Pages.
- 2.2.4.11.4 Consists of dashboards that would provide, information and analyses of DSWD Programs and Services by regions, provinces, cities and municipalities.
- 2.2.4.11.5 Disaster Relief and Rehabilitation Program.
- 2.2.4.11.6 Regions/ provinces, municipalities and cities which received immediate relief and longer term rehabilitation.
- 2.2.4.11.7 Disaster Response Operations.
- 2.2.4.11.8 National Household Targeting System for Poverty Reduction.
- 2.2.4.11.9 Analyzing who and where the poor are.
- 2.2.4.11.10 Household income.
- 2.2.4.11.11 Others (Please See Annex A for detailed reports).
- 2.2.4.11.12 Authorized Access Control.

- 2.2.4.11.13 Through CMS, a system administrator can assign user privileges and roles, allowing users to only access the content authorized to them.
 - 2.2.4.11.14 User Log in.
 - 2.2.4.11.15 Create Roles.
 - 2.2.4.11.16 Create User and Assign Roles.
 - 2.2.4.11.17 Manage Privileges.
 - 2.2.4.11.18 Manage Workflow Approval.
 - 2.2.4.11.19 Workflow.
 - 2.2.4.11.20 Report Schedule and Push technology (reports can be configured to be sent to a single or group of users via a scheduler).
 - 2.2.4.11.21 Simple but flexible workflow infrastructure to manage the approval process before a content/dashboard is published.
 - 2.2.4.11.22 Workflow is triggered by business rules that prompt for approvals and make content/dashboard routing decisions when a document meets certain conditions.
 - 2.2.4.11.23 When a workflow is triggered, CMS constructs an approval map that displays the users who must approve the document and in what order.
 - 2.2.4.11.24 CMS tracks the progress of the document through the workflow and updates the approval map as individual reviewers act on the content/dashboard.
 - 2.2.4.11.25 Once the content/dashboard reaches final approval, content/dashboard will be published in the DSWD site.
- 2.2.4.12 Graphing and Visualization Dashboards
- 2.2.4.12.1 DSWD will utilize interactive dashboards for multidimensional insights to their data; dashboard will be pre-defined dashboard determined by a technical unit but provide the user options to configure specific parts.
 - 2.2.4.13 The dashboard shall have extensive features for data visualization.
 - 2.2.4.14 The dashboard shall be able to incorporate data analytics.
 - 2.2.4.15 The dashboard shall be able to integrate and aggregate a set of different data.
 - 2.2.4.16 The dashboard shall be customizable that could be updated periodically based on the conditions set by the user.
 - 2.2.4.17 The dashboard shall be have features for statistical analysis.
 - 2.2.4.18 Other applications shall be integrated onto the dashboard.
 - 2.2.4.19 Dashboards shall be also available to external users and data can be downloaded via a selection of the kinds of files according to the user's preferences.

- PDF, EXCEL, CVS, and other kinds of open data compatible files.
 - 2.2.4.20 Dashboards shall be available through web.
 - 2.2.4.21 Dashboard should consider compatibility with web browsers for portable devices such as tablet and smart phones.
 - 2.2.4.22 The Dashboard shall be configurable and administrators can set pages for automatic publishing and some shall pass thru an approval process, an interactive Content Management System (CMS).
- 2.2.4.13 Graphing and Visualization Charts
 - 2.2.4.13.1 Extensive library of chart selection that could best represent DSWD data like word cloud, tree maps, pie, bar, area and bubble charts.
 - 2.2.4.13.2 Location Intelligence (Mapping).
 - 2.2.4.13.3 Ability to map, visualize and understand data from a geographic standpoint.
 - 2.2.4.13.4 Interactivity.
 - 2.2.4.13.5 With respect to dashboards, charts, and maps, DSWD provides interfaces to allow user to manipulate these items; e.g., user can hover over a data value to find out more information, can filter the time period displayed, can change the colors of the lines or bars used in charts, can click on a map point and display specifics about that location.
- 2.2.4.14 Reports and Publications
 - 2.2.4.14.1 This page is a listing of analytical reports that users can download. There is a facility for searching for reports by keywords or by publication year.
 - 2.2.4.14.2 There must be a facility for users to setup a schedule where a report can be sent to their email automatically.
- 2.2.4.15 Business Intelligence Software
 - 2.2.4.15.1 Re-use existing DSWD resources like MS SharePoint and Yellowfin BI software or other customizable web portal technologies.
 - 2.2.4.15.2 Smart, fit and beautiful dashboards.
 - 2.2.4.15.3 Web-based analytics.
 - 2.2.4.15.4 Geographic visibility with one-click analytical map creation.
 - 2.2.4.15.5 In-memory data engine makes your slow databases and files super speedy.
 - 2.2.4.15.6 Work with hundreds of millions of rows of data.
 - 2.2.4.15.7 Compelling presentations for internal and external meetings.
 - 2.2.4.15.8 Collaboration and sharing through web deployment.
 - 2.2.4.15.9 Embedded interactive visualizations into applications.

2.2.4.15.10 Plugs into your existing IT infrastructure — fast and easy deployment, low maintenance, low total cost of ownership, low maintenance, low total cost of ownership.

2.2.4.15.11 Analytics on the iPad, Android tablets, SharePoint and everywhere.

2.2.4.15.12 Data –driven alerting and email notifications (ex: Receive data-drive alerts on individual metrics, data point level collaboration).

2.2.4.16 The service provider shall deliver a complete documentation of all product and services needed for a web-based portal for data sharing.

2.2. 4.16.1 Documentation includes but not limited to the following;

- Detailed list of services done as per DSWD system
- Exact number of man-hour spent and specific outcomes
- Approved Implementation Playbook
- Risk and Change Management Plan
- Acceptance from end user: ICTMS

2.2.4.17 Provide Certification training for DSWD personnel, System Admins and Users

2.2.5 Quality Control

2.2.5.1 Solution development emphasis is quality control oriented, test centric and test intensive. The service provider shall conduct the following test activities using service provider's development platform and workbench. The different levels of testing to be performed by the service provider are the following:

2.2.5.1.1 Unit Testing – white box tests of individual components such as methods, objects, classes, software functions and procedures (for scripts and other coding required for customization)

2.2.5.1.2 Component Integration Testing – test of integration between component units.

2.2.5.1.2 System Testing – manual and/or automated test for volume, load, stress and performance profiles. Other tests also include security, functionality, business cycle; installation and compatibility are to be performed.

2.2.5.1.3 User Acceptance Test – business/intended users test the software to verify the solution works according to specifications

2.2.6 Staffing and Professional Service

2.2.6.1 The winning Service Provider shall plan, design, develop, configure, customize, test and implement the project and will provide the following minimum professional services:

2.2.6.1.1 Project Manager

2.2.6.1.2 The service provider shall have available personnel assigned exclusively for the project.

- 2.2.6.1.3 The service provider shall maintain an effective personnel replacement program to address manpower resource changes and ascertain that project schedule and deliverables are not disrupted significantly.
- 2.2.6.1.4 The service provider's staff will perform all services in a professional manner.
- 2.2.6.1.5 All services will be performed by qualified and properly trained personnel.
- 2.2.6.1.6 This shall be a fully independent group working at service provider's site.
- 2.2.6.1.7 Other project activities such as installation, test and deployment of the software shall be done by the service provider within DSWD premises (on-site).
- 2.2.6.1.8 The service provider shall provide DSWD with an official list of personnel assigned for the project during project review and status reporting.

2.2.7 Training

- 2.2.7.1 Training or workshops on the following topics shall be provided by the service provider:
 - 2.2.7.2 Certification Training for Systems and Technologies
 - Systems Administrators at least 3x per system or technologies
 - Database Administrators at least 3x per system or technologies
 - 2.2.7.3 Classroom Training for users of each Systems and Technologies
 - at least 5x per user of system or technologies
 - 2.2.7.4 Business Process Owners Training
 - 2.2.7.5 DSWD Users Training (Training the Trainers)
 - 2.2.7.6 System and Database Administrators' Training
 - 2.2.7.7 Applications Developer Training
 - 2.2.7.8 User's Training

3. The service provider should comply with the following qualifications:

3.1 Qualifications of the Service Provider

- 3.1.1 The service provider must have successfully implemented at least 1 government data warehousing project and 1 private data warehousing project within the last 3 years.
- 3.1.2 If the service provider has no government projects, they should have at least 3 data warehousing project successfully implemented in the private sector in the last 3 years.

- 3.1.3 The provider /supplier should have been in the business of providing ICT services for the last 5 years.
- 3.1.4 The service provider /supplier must be in the business for providing consultancy as well as developing a complete suite of data warehouse system in the last 3 years.

Quality of the IT professionals to be assigned to the project which covers suitability to perform the duties of the particular assignments and general qualifications and competence including education and training preferably with technical training and experience on project management; systems analysis, design and development; database administration, technical writing, etc.

3.2 Project Manager

- 3.2.1 Must have been in the ICT industry for the last eight (8) to ten (10) years.
- 3.2.2 Must have a deep understanding and Practicing Project management methodologies and approaches.
- 3.2.3 Must have a deep understanding of and working experience with Software Development Life Cycle [SDLC] and preferably the Agile Development Methodology.
- 3.2.4 Knowledge and Experience in SCRUM is a plus.
- 3.2.5 Must have handled at least eight (8) successful ICT services projects.
- 3.2.6 Must have handled at least five (5) to eight (8) ICT projects with at least the same or greater than the ABC of this project.

3.3 System Analysts

- 3.3.1 Must have a bachelor's degree in Computer Science, Computer Engineering, Information Technology or related fields.
- 3.3.2 Must have a deep understanding of the Software Development Life Cycle [SDLC] and preferably the Agile Development Methodology.
- 3.3.3 Knowledge and Experience in SCRUM is a plus.
- 3.3.4 Must have at least six (6) to eight (8) years of experience in requirements gathering, system analysis, and design.
- 3.3.5 Must have at least four (4) years of working experience in application development, particularly in Java.
- 3.3.6 Must have knowledge on Enterprise Application Development.

3.4 Team Leads

- 3.4.1 Must have a bachelor's degree in Computer Science, Computer Engineering, Information Technology or related fields.
- 3.4.2 Must have a deep understanding of and working experience with Software Development Life Cycle [SDLC] and preferably the Agile Development Methodology.
- 3.4.3 Knowledge and Experience in SCRUM is a plus.
- 3.4.4 Must have at least eight (8) years of development work using the Java Programming Language (Java SDK), Enterprise Application (Java EE), Enterprise Service Bus (ESB), Messaging (Queues and Brokers), and Spring Technologies.

- 3.4.5 Must be knowledgeable in tools and technology that caters to Continuous Integration (CI), Configuration Management (CM), Source Code Management (SCM).

3.5 Testing Team Leads

- 3.5.1 Bachelor's Degree holder preferably in Computer Science or Information Technology.
- 3.5.2 Has at least eight (8) years overall experience in Application Testing and preferably four (4) years of which as a Testing Team Lead responsible for creating Test Plans.
- 3.5.3 Good awareness of modern testing methodologies, practices and approaches and strong understanding of the Software Development Life Cycle [SDLC] (Waterfall, Agile, Scrum).
- 3.5.4 Must have experience of applying automated testing and test case automation.
- 3.5.5 Experience of different approaches to testing including Selenium, Web Application Testing in Ruby [Watir] and Cucumber.

3.6 Programmers/Java Programmers

- 3.6.1 Must have a bachelor's degree in Computer Science, Computer Engineering, Information Technology or related fields.
- 3.6.2 Must have a deep understanding of and working experience with Software Development Life Cycle (SDLC) and preferably the Agile Development Methodology.
- 3.6.3 Knowledge and Experience in SCRUM is a plus.
- 3.6.4 Must have at least three (3) years of development work using the Java Programming Language (Java SDK), Enterprise Application (Java EE), Enterprise Service Bus (ESB), Messaging (Queues and Brokers), and Spring Technologies (Spring Security, IOC, Spring MVC).
- 3.6.5 Knowledge in Graphics Design is a plus.
- 3.6.6 Must have knowledge in HTML 5 standards, CSS and Javascript.

3.7 Testers

- 3.7.1 Bachelor's Degree holder preferably in Computer Science or Information Technology.
- 3.7.2 Has at least three (3) years overall experience in Application Testing.
- 3.7.3 Good awareness of modern testing methodologies, practices and approaches and strong understanding of the Software Development Life Cycle [SDLC] (Waterfall, Agile, Scrum).
- 3.7.4 Must have experience of applying automated testing and test case automation.
- 3.7.5 Experience of different approaches to testing including Selenium, Web Application Testing in Ruby [Watir] and Cucumber.

4. Interested consultants must submit their eligibility documents on or before **22 December 2014, 02:00 p.m.**, at the address below. Applications for eligibility will be evaluated on a non-discretionary “pass/fail” criteria.
5. The BAC-I shall draw up the short list of consultants from those who have submitted **Eligibility Documents/Expressions of Interest** and have been determined as eligible in accordance with the provisions of the Republic Act No. 9184 (RA 9184), otherwise known as the “Government Procurement Reform Act”, and its Implementing Rules and Regulations (IRR). The short list shall consist of **three (3) prospective bidders** who will be entitled to submit bids. The criteria and rating system for the shortlisting are as follows:

Shortlisting Criteria		Point System	% Distribution
Applicable Experience and Principal/Key staff	Project Manager	At least 8 years ICT Experience	7%
		Handled at least 5 successful ICT projects with equal or greater ABC as this project	7%
	System Analyst (Bachelor’s Degree in ICT related course)	At least 6 years experience in gathering, system analysis and design	2%
		At least 4 years working experience in application development in Java	2%
	Team Leads (Bachelor’s Degree in ICT related course)	Knowledgeable in Software Development Life Cycle (SDLC)	1%
		Knowledgeable and Experience in SCRUM	1%
		At least 8 years Experience using Java Programming Languages	2%
	Testing Team Leads (Bachelor’s Degree in ICT related course)	At least 8 years overall experience in Application Testing	2%
		At least 4 yrs experience as team lead for Test Plans	2%
	Java Programmers (Bachelor’s Degree in ICT related course)	At least 3 yrs experience using Java Programming Language	2%
	Testers (Bachelor’s Degree in ICT related course)	At least 3yrs Experience application testing	2%
		Sub-total:	30%
	Current Workload Relative to Capacity	Technical Personnel Team to on-going Projects Ratio	Exclusive personnel and staff for the DSWD Warehousing project
		Sub-total:	20%

Government Experience and Program Knowledge	With ICT Services and successful implementation to any government agency (GA) and the private sector (PS) within the last 3 years	At least 1 GA and 1 PS = 50% At least 3 PS = 50% At least 1 GA = 30% At least 2 PS = 30% At least 1 PS = 10%	50%
		Sub-total:	50%
		GRAND TOTAL:	100%

[1] Java SDK, Enterprise Application (Java EE), Enterprise Bus (ESB), Messaging (Queues and Brokers), and Sprint Technologies (Spring Securities, IOC, Spring MVC)

The passing score is **80%**.

6. Bidding will be conducted through open competitive bidding procedures using non-discretionary “pass/fail” criterion as specified in the IRR of RA 9184.

Bidding is restricted to Filipino citizens/sole proprietorships, partnerships, or organizations with at least sixty percent (60%) interest or outstanding capital stock belonging to citizens of the Philippines.

7. The Procuring Entity shall evaluate bids using the **Quality Cost-Based Evaluation (QCBE)**. The Procuring Entity shall indicate the weights to be allocated for the Technical and Financial Proposals. The criteria and rating system for the evaluation of bids shall be provided in the Instructions to Bidders.
8. The contract shall be completed within the following periods:
 - 8.1 Sixty (60) working days upon receipt of notice to proceed this includes consultation, planning, implementation and delivery, testing and turn-over of the Enterprise Data Architecture Services for the DSWD Enterprise.
 - 8.2 One hundred Twenty (120) working days upon receipt of notice to proceed this includes consultation, planning, implementation and delivery, testing and turn-over of Pre-Data warehousing and Data Sharing Services for DSWD Enterprise.
 - 8.3 Seventy Five (75) working days upon receipt of notice to proceed this includes consultation, planning, implementation and delivery, testing and turn-over of Web-based portal for Data Sharing.
9. The DSWD reserves the right to reject any and all bids, annul the bidding process, or not award the contract at any time prior to contract award, without thereby incurring any liability to the affected bidder or bidders.
10. For further information, please refer to:

THE CHAIRPERSON

Bids and Awards Committee-I
c/o BAC Secretariat (Ground Floor)
DSWD Central Office
IBP Road, Constitution Hills, Quezon City
Fax No. (02) 951-7116
Telephone Nos. (02) 931-8101 to 07 Local 121 or 122

TEODULO R. ROMO, JR., MNSA, CESO III
Assistant Secretary and
Bids and Awards Committee-I Chairperson

By:

(Original Signed)
VINCENT ANDREW T. LEYSON
Director IV and
Bids and Awards Committee-I Vice-Chairperson