## Amendment No. 2 to Statement of Work No. 12

This Amendment No. 2 to Statement of Work ("SOW") No. 12 (the "Amendment"") is entered into pursuant to, and is subject to and governed by the terms of, that certain Master Services Agreement dated effective as of April 7, 2008, (the "Agreement") by and between the County of Monterey ("Customer" or the "County"), a political subdivision of the State of California having a place of business at 168 W. Alisal Street, 3rd Floor, Salinas, CA 93901, and CGI Technologies and Solutions Inc. ("CGI"), a Delaware corporation having its principal place of business at 11325 Random Hills Road, Fairfax, VA 22030

**1.      Effective Date of this Amendment No. 2**

This Amendment is effective as of June 13, 2017 and ends on May 31, 2018.

**2.      Services to be Performed and Schedule of Performance.**

The purpose of Amendment 2 to SOW 12 is to provide consulting support to the County of Monterey for ERP Upgrade services for CGI Advantage Upgrade 3.10.0.1 related to Human Resource (HRM) at a fixed price.  The County is requesting an extension to the HRM project go-live from September to November 2017. The services in items #1-3 below are to extend the CGI staff to provide to support to the County to meet this revised date.  The services in item #4 are to extend to a contingency February 2018 project go-live date.

| ID# | Title | Description |
|---|---|---|
| 1 | Automated Online Performance Testing | The County is requesting CGI to complete online automated performance testing. CGI automated online performance test for 3.10.0.1 will encompass the execution of simple transactions. This testing will measure the response time and transaction throughput while simulating the expected production online workload. To simulate production online usage a workload generation tool will be used (i.e. JMeter). <br> ➢ CGI will conduct Advantage Application Simple Online Performance testing for the most used pages in Advantage HRM and ESS applications. <br> ➢ Online Load Test – This automated testing will emulate actions that users take while logged into and using the application. Actions such as logging in, navigating through pages, searching, and querying. This testing will measure the response time and transaction throughput while simulating the expected production online workload. <br> ➢ Under the current Upgrade project, CGI will recommend application and database performance tuning that will be handled separately by County Application and database administrators and will be out of scope for this Amendment. <br> ➢ Outcome deliverable will be comprised of documented results of the Performance testing and Performance test plan & scripts. |
| 2 | Planning & Extension of UAT | County is requesting CGI to provide support in the planning and execution of UAT as well as an extension. CGI will provide support in developing a project schedule, planning checklist and recommended logging process to ensure structured execution is implemented. CGI will not own testing scenarios directly. |

| | | |
|---|---|---|
| | | ➢ Consolidate HRM UAT Plan into one Monterey County specific document.<br>➢ Lead UAT Environment preparation.<br>➢ Extend the UAT period from 12 to 16 weeks.<br>➢ Produce draft UAT detailed calendar and scope to address gaps identified.<br>➢ Correct execution plan in existing test schedule aligning appropriate test grouping.<br>➢ Provide the County with Subject Matter Expertise and provide a structured approach to UAT execution and ensure proper testing coverage. |
| 3 | Training Materials Development Support | The County is requesting Subject Matter Experts to support the development of training materials for accuracy prior to rolling out to key stakeholders.<br>➢ Provide Subject Matter expertise to support County in development of training materials.<br>➢ Outline HRM steps of new functionality.<br>➢ Conduct final review of training content prior to finalization. |
| 4 | Schedule Extension to February 2018 | The County is requesting an estimate of the associated costs with a schedule extension to February in the instance a risk mitigation plan is needed.<br>➢ Streamline CGI staff required during the period of October through December to reduce cost of CGI engagement.<br>➢ Maintain existing 3 month Post Cutover support starting in February, 2018 commencing day 1 of go live. |

**3.      Cost**

| Additional Support for November Go Live | |
| --- | --- |
| **Description** | **Total** |
| 1. Automated Online Performance Testing | $29, 100 |
| 2. Planning and Management of UAT | $191, 360 |
| 3. Training Materials Development Support | $101, 000 |
| **TOTAL** | **$321,460** |
| **Schedule Extension to February** | |
| 4. Schedule Extension (Nov'17 – Feb'18) CGI Resources | $482,830 |
| **TOTAL** | **$804,290** |

**4.      Assumptions**

➢   CGI's estimates based on scoping and timing discussions with County.

➢   Implementation services will be invoiced per milestone schedule/deliverables. A revised updated milestone payment schedule will be submitted to County within 3 days of execution of the Amendment.

➢   County will assign adequate staff to enable the project to remain on schedule with the above mentioned requests.

➢   The County Management will be designated as the County Project Manager and work directly with CGI.

➢   All work outlined for extension is specifically related to HRM.

➢   Modifications to and execution of test scripts are excluded from this Amendment.

➢   If this Amendment is not executed by June 13, 2017, CGI's pricing is subject to change.

➢   Performance Testing:

   (1)   Providing Infrastructure and coordinating and handling Network and Infrastructure Network issues will be County responsibility; this assumes ensuring County resources (DBA, Server Admin, etc.) and environments are fully available during the performance testing.

   (2)   Online Performance test will encompass the execution of simple transactions. Simple transactions consist of straightforward database table queries and updates that are triggered by users' activities through typical use of the application.

(3)     Complex transactions that define document-type transactions which require triggering the applications validation and submission logic do not fall under the scope of this testing.

(4)     The to-be "Production" environment will be used for all Performance Testing. The hardware and resource configuration that will be utilized post go-live will be provided by the County for the performance testing.

(5)     Batch Job and stress testing do not fall under the scope of this testing.

(6)     Interfaces, Reports, infoAdvantage, ETL, and DataWarehouse do not fall under the scope of this testing.

(7)     CGI will recommend application and database performance tuning that will be handled separately by County Application and database administrators and will be out of scope for this Amendment.

➤ Planning & Extension of UAT

(1)     County will assign a lead responsible for UAT execution, providing knowledgeable resources and overall success of UAT.

(2)     County will provide sufficient resources to conduct testing per the planned test scripts.

➤ Training Materials Development Support

(1)     The County will conduct a final review of training content prior to finalization.

**5.      Statement of Work Managers.**

The Statement of Work Managers are:

| Customer | CGI |
|---|---|
| Mike Miller, Auditor-Controller<br>County of Monterey<br>millerm@co.monterey.ca.us<br><br>Eric Chatham, Chief Information Officer<br>County of Monterey<br>chathamea@co.monterey.ca.us | Pankaj Joshi, Vice President<br>CGI Technologies and Solutions<br>pankaj.joshi@cgi.com |

**6.      Resources and Responsibilities of Customer**

The County Project Manager and Applications Division Manager will be responsible for coordinating County activities for the County of Monterey 3.10.0.1 Upgrade.

Agreed to and accepted by:

County of Monterey                          CGI Technologies and Solutions Inc.  (CGI )


By:_____              By:_____

Name: Michael J. Miller, C.P.A, C.I.S.A    Name: Pankaj Joshi
    millerm@co.monterey.ca.us                   pankaj.joshi@cgi.com


Title: County of Monterey Auditor Controller   Title: Vice President, Consulting Services

Date: June 13, 2017                         Date: June 13, 2017


County of Monterey


By:_____

Name: Eric A. Chatham
    chathamea@co.monterey.ca.us


Title: County of Monterey Chief Information
Officer

Date: June 13, 2017