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GENESIIS

**UNIDO PROJECT NO. TF/SRL/04/001/21-02,
CONTRACT AMENDMENT 1, ANNUAL
SURVEY OF INDUSTRY**

**SOFTWARE DEVELOPMENT WORK –
SYSTEM FOR UPDATING THE INDUSTRIAL
REGISTRY FOR THE DEPARTMENT OF
CENSUS AND STATISTICS, SRI LANKA**

FINAL REPORT

01 JULY 2006

VERSION 1.0

BY: GENESIIS SOFTWARE

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2 Acronyms and Abbreviations

DCS	Department of Census and Statistics
GENESIIS	Genesiis Software Pvt. Ltd.
UNIDO	United Nations Industrial Development Organisation
RUP	Rational Unified Process.
MIIP	Ministry of Industry and Investment Promotion
CEB	Ceylon Electricity Board
BOI	Board of Investment
RMES	Results of Matching with External Sources
ASI	Annual Survey of Industry
TOR	Terms of Reference

3 Introduction

GENESIIS Software (GENESIIS) has entered into a contract (UNIDO Code 2005/093) with the United Nations Industrial Development Organisation (UNIDO) for software development work. The contract was signed on 08 July 2005 and carries the UNIDO project code TF/SRL/04/001.

This contract has been completed and all deliverables submitted to UNIDO.

Now UNIDO has now entered into a Supplement to Contract 2005/093, hereafter referred to as Amendment 1.

Amendment 1 covers the scope of work and related Terms of Reference for GENESIIS to provide software development services for the development of a new module for the system constructed under contract 2005/093. This new module is hereafter called the ASI module.

The terms of contract Amendment 1 require GENESIIS, being the party providing services to UNIDO, to submit a FINAL REPORT that describe the progress of work.

This report constitutes the Final Report

This report is accompanied by a CDROM that contains the deliverables listed in the TOR.

4 Project Overview

This Project (Contract Amendment 1) was signed on 02 December 2005 by GENESIIS.

The project activities undertaken for the period covered by this report are:

- Software Analysis, Design, Construction, System Deployment, and Support
- Documentation Activities
- User Training
- Programmer Training

The progress under the headings of these activities is covered in the following sections.

5 Software Analysis, Design, Construction, System Deployment, and Support

The system is implemented into a binary compatible (computer readable) format through software construction/development activities.

The toolsets and platform used for this system are:

1. Microsoft .NET Framework/C#
2. Microsoft SQL Server 2003
3. Microsoft IIS Web Server

All modules of the system have been completed at the time of submission of this report. These modules are:

- ASI Module, including ASI Diary

System Analysis and Design activities necessary to elicit an accurate specification for the software commenced once the Contract once signed, and took several months to complete.

GENESIIS consulted with DCS staff and Mr. Alex Korns, UNIDO Consultant on these activities, and as Mr. Korns was not in Sri Lanka, the time taken to arrive at a correct specification took longer than expected.

The ASI software was first reviewed to DCS staff (Mr. DCA Gunawardena, Director, DCS) on 26th April 2006. Mr. Alex Korns reviewed the software with DCS staff on 03 May 2006.

Following these reviews, some modifications were requested by DCS and Mr. Korns, and these modifications were finalised.

The software was deployed at DCS on May 08 2006, and was integrated with the Registry Management System developed under the first contract.

Post-deployment, GENESIIS is providing ongoing support to DCS in relation to data management activities and providing supplementary training.

A complete copy of the source code for the system is provided on the CDROM.

6 Documentation Activities

The following documentation is provided as per the Contract, and is contained on the CDROM:

- **Physical_Data_Model_Data_Dictionary** – This describes the tables and their properties in the database
- **ER_Diagram** – This describes the relationship between tables in the database
- **System_Decomposition** – This diagram shows the high-level decomposition of the System.
- **Interaction_Diagrams** – The list of sequence diagrams for the System.
- **FAQ section** – that addresses how to maintain areas that may change often.
- **Programmer Manual** – Answers to common questions that may be asked by DCS maintenance programmers.
- **Operators_Manual** – This describes how to do perform commonly operations within the System.
- **Source_Code** – Complete source code of the SYSTEM

7 User Training

User Training was conducted on 13 June 2006 at DCS

The participant list is shown below (18 trainees)

Registry Updating System
Training Session on ASI Module
13/06/06
DCS Participant's List

Name	Designation	Signature
G.M.B. Pabsepakumara	S.O	<i>[Signature]</i>
J.A.A. Jayasuriya	S.O	<i>[Signature]</i>
U.V.R.S. Gunawardana	S.O	<i>[Signature]</i>
C. Rajaratnam	STN	<i>[Signature]</i>
J. Nivata	SA	J. Nivata
S. Sulharanthan	SA	<i>[Signature]</i>
M.R.M. Rithan	S.A	<i>[Signature]</i>
B.N. Jayakody	STN	<i>[Signature]</i>
S.A.J.C.B. Satharasinghe	S.O	<i>[Signature]</i>
U.S. Wana Pushpa	SSTN	<i>[Signature]</i>
B. Jayarickram	S.O	B. Jayarickram
B.H. Pushpa Kumari	S.M	<i>[Signature]</i>
C.P. Chandran	S.O	<i>[Signature]</i>
Pavitha Subasinghe	C.C.C	<i>[Signature]</i>
J.G.S.G. Munasinghe	DD	<i>[Signature]</i>
M.D.M. Fernando	S-STN	<i>[Signature]</i>
W.D.I.D. Dissanayake	S.O	<i>[Signature]</i>
S.H. Samanthi Husara	S.A	<i>[Signature]</i>

Pavitha Jayarickram
13/06/06

8 Programmer Training

The following programmer training activities were carried out. DCS nominated the following staff members (DCS programmers) for training:

- Mr. SATHARASINGHE, Mr. PRIYADARSHANA

Programmer training was given to these trainees, covering the Microsoft .NET development environment and language, and also how to do modifications to the ASI programming, on the following days:

- 15/06/2006
- 21/06/2006
- 26/06/2006

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