

# ADB Education Sector Project Phase I

**KA PROJCT REFERENCE:** 3031W  
**INDUSTRY:** Education, Official Development Assistance  
**DISCIPLINES:** Project Management, Structural Engineering, Civil Engineering, Architecture, Construction Supervision

## PROJECT SUMMARY

### CLIENT

Government of Samoa.  
 Ministry of Education, Sports and Culture.

### LOCATION

Upolu and Savai'i, Samoa

### PROJECT TYPE

Education, Official Development Assistance

### YEAR COMPLETED

2005



## PROJECT DESCRIPTION

The Asian Development Bank (ADB) approved the Education Sector Project (ESP) for Samoa with a loan of SDR5.235 million (\$7 million equivalent at appraisal) on 5 September 2000. The project's goal was to increase the number of appropriately skilled people to meet the future labor requirements of an increasingly market-oriented and broad-based economy in Samoa. To achieve this, the project aimed at improving children's access to high-quality and relevant education to be provided through efficiently managed and refurbished primary and secondary schools. The project was ADB's first in Samoa's social sector. A sector loan modality was chosen because of Samoa's perceived efficiency in coordinating and managing a large number of external assistance projects. As part of the ESP Project, the Government of Samoa negotiated a funding facility for an education sector improvement program for 11 secondary schools throughout Samoa between the two main islands of Savaii and Upolu. The works included upgrading of classrooms, construction of new classrooms, administration blocks, libraries, food and textile laboratories, applied science buildings and toilets.

Scope included design and documentation, tender documentation and evaluation, and contract supervision for the following 6 schools:

- Apai Primary School (Upolu)
- Leifiifi College (Upolu)
- Faleata Secondary School (Upolu)
- Palauli Secondary School (Savaii)
- Anoamaa Secondary School (Upolu)
- Mataaevave Secondary School (Savaii)

As well as construction supervision of works at the following schools;

- Aana Secondary School – Existing School, Upolu remote from Apia
- Lepa Lotofaga Secondary School – Complete New School, Upolu remote from Apia
- Palauli Sisifo Secondary School – Existing School, Savaii
- Amoa Secondary School – Existing School, Savaii
- Itu-Asau Secondary School – Existing School, Savaii

## PROJECT ROLE

Kramer Ausenco was engaged as the Project Managers, Architects, Engineers and Construction Supervision Consultant for the project. Design Services included the development of new standard building designs. Projects included new buildings and the renovation of existing facilities to provide classrooms, administration block / libraries, food & textile and general science laboratories, applied technology buildings and toilets.

## ADB Education Sector Project Phase I

## PROJECT DATASHEET

Project Reference: 3031W

Industry: Education, Official Development Assistance

<b>ASSIGNMENT NAME:</b>	<b>APPROX. VALUE OF THE CONTRACT:</b>
ADB Education Sector Project Phase I	AUD \$5.5 million
<b>LOCATION &amp; COUNTRY:</b>	<b>DURATION OF ASSIGNMENT (MONTHS):</b>
Upolu and Savai'i, Samoa	57
<b>NAME OF FUNDING AGENCY:</b>	<b>TOTAL NO. OF STAFF-MONTHS OF THE ASSIGNMENT:</b>
Asian Development Bank (ADB)	32
<b>ADDRESS OF AGENCY:</b>	<b>APPROX. VALUE OF THE SERVICES PROVIDED BY YOUR FIRM UNDER THE CONTRACT:</b>
6 ADB Avenue, Mandaluyong, Metro Manila	AUD \$500k
<b>START DATE (MONTH/YEAR): COMPLETION DATE (MONTH/YEAR):</b>	<b>NUMBER OF PROFESSIONAL STAFF-MONTHS PROVIDED BY ASSOCIATED CONSULTANTS:</b>
Start date: February 2003 Completion date: November 2007	N/A
<b>NAME OF ASSOCIATED CONSULTANTS, IF ANY:</b>	<b>NAME OF SENIOR PROFESSIONAL STAFF OF YOUR FIRM INVOLVED AND FUNCTIONS PERFORMED:</b>
ALCC Brown Enterprises	<ul style="list-style-type: none"> <li>Peter Moodie (Project Director)</li> <li>Jason Goddard (Country Manager)</li> <li>Jonathan Rapley (Engineer, Project Manager)</li> <li>Stephanie Donigi (Architect)</li> <li>John Tait (Engineer)</li> </ul>

### NARRATIVE DESCRIPTION OF PROJECT:

The Asian Development Bank (ADB) approved the Education Sector Project (ESP) for Samoa with a loan of SDR5.235 million (\$7 million equivalent at appraisal) on 5 September 2000. The project's goal was to increase the number of appropriately skilled people to meet the future labor requirements of an increasingly market-oriented and broad-based economy in Samoa. To achieve this, the project aimed at improving children's access to high-quality and relevant education to be provided through efficiently managed and refurbished primary and secondary schools. The project was ADB's first in Samoa's social sector. A sector loan modality was chosen because of Samoa's perceived efficiency in coordinating and managing a large number of external assistance projects. As part of the ESP Project, the Government of Samoa negotiated a funding facility for an education sector improvement program for 11 secondary schools throughout Samoa between the two main islands of Savaii and Upolu. The works included upgrading of classrooms, construction of new classrooms, administration blocks, libraries, food and textile laboratories, applied science buildings and toilets.

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### DESCRIPTION OF ACTUAL SERVICES PROVIDED BY YOUR STAFF WITHIN THE ASSIGNMENT:

Kramer Ausenco was engaged as the Project Managers, Architects, Engineers and Construction Supervision Consultant for the project. Design Services included the development of new standard building designs. Projects included new buildings and the renovation of existing facilities to provide classrooms, administration block / libraries, food & textile and general science laboratories, applied technology buildings and toilets.

Further details on services, phases and activities:

#### Project Commencement

- Obtained and reviewed all relevant documents not already provided as part of the tendering process.
- Reviewed existing technical documents and provided details on deficiencies to client.
- Key project team members visited existing related facilities and the sites proposed for each facility.
- Met with and interviewed key project stakeholders, including the Department of Education officials, the PMT, School Principal and School council.
- Agreed an organizational structure for the project, the levels of authority and delegation, committees, meeting schedules and deadlines.

#### Site Investigation / Existing Buildings Condition Report

- As part of the consultative process with the key stakeholders, agreed the layout and scope of works for each location, and extent of any community participation in the projects.
- Worked with client to ensure the community fully understood the commitment.
- For new structures, site investigations were required to determine, soil conditions, location of existing services, and ground profiles.
- Existing buildings to be altered were measured and drafted.
- A typographic survey was undertaken for each site.
- A preliminary estimation of what services (eg power and water) were required for the facility.
- An assessment of the existing services capacity was also made and recommendations given if the existing capacity was inadequate.
- For renovation works, assisted in determining User Requirements Brief for the building.
- Detailed inspections were made of each existing building to be renovated, from which a detailed scope of repair/upgrade works was made.
- A report was prepared for each site that incorporated the information collected from the investigations and stakeholder consultations.

#### Facility Design

- Prepared Concept Design. This concept design took into account not only the design brief, but also the site investigation results. The process included the generation and analysis of a range of options; reviewed the options and analysis of the key stakeholders including a more formal value and risk analysis of the preferred option and selected an option and developed into a concept design.
- Generated costs estimate based on the concept design.
- Submitted the concept design to DE for approval.
- Issue the Final Design Brief.
- Prepared, reviewed and agreed on a detailed budget; program; and Implementation Plan for the concept plan.
- Designed and documented the works.
- Generated revised costs estimates based on the final design.
- Submitted the Design Documentation for tender.

#### Facility Construction

- Assisted in Tendering, evaluating, and letting the works packages, agreed to as part of the Implementation Plan
- Managed supervising and administering the construction through to completion, handover and rectification of defects.
- Compiled, submitted and approved, a Completion Report