

Nupmo Footbridge

KA PROJECT REFERENCE: 14248P
INDUSTRY: Civil Infrastructure - Bridge
DISCIPLINES: Project Management, Superintending

PROJECT SUMMARY

CLIENT

Ok Tedi Development Foundation (OTDF)

LOCATION

North Fly District,
Western Province

PROJECT TYPE

Superintendent, Project Management

YEAR COMPLETED

2014



PROJECT DESCRIPTION

Ok Tedi Development Foundation (OTDF) delivers projects to communities through a unique partnership between mining, the people and government of Papua New Guinea. OTDF is mandated to ensure the wise and sustainable use of the wealth created from mining operations for future generations. OTDF is a not-for-profit organisation, operating independently of Ok Tedi Mining Limited since 2010, and is a 100% owned Papua New Guinea company. OTDF actively work alongside the 147,000 river residents of the Community Mine Continuation Agreement (CMCA) corridor, living in 158 villages throughout Western Province. While working to enhance and improve everyone's quality of life throughout Western Province, OTDF's primary focus for 2020 – 2025 is: Agribusiness (delivering the WestAgro Master Plan), building Women's Capacity and Entrepreneurship, and enabling community Self-Sustainability. The OTDF Trust portfolio includes a total of 281 projects worth PGK 36 million from 2019 – 2021, and a combined accumulated Return on Investment worth PGK 86.9 million.

Project Description

A 162m footbridge across Ok-Tedi River. This was a Design and Construct (D&C) contract awarded to Wildcat Construction Limited for a contract value of K10.8m. The 162m long x 1.4 m wide bridge was built in 3 spans across the fast flowing OK Tedi River and included culverts and approach works.

PROJECT ROLE

Kramer Ausenco (PNG) Ltd was the Project Manager and Superintendent Representative of the D&C contract. The role involved:

- Preparation of Expression of Interest (Eoi) for firms Prequalification and shortlisting of tenderers.
- Preparation of tender documentation including ITT, BoQ, General and Special Conditions of Contract and Drawings.
- Managing the tender process including pre-tender field trips, tender queries and evaluation of tender and post tender negotiations.
- Preparation of Contract documents and award of contract on behalf of OTDF.
- Performed superintendence role which included inspection services during construction and the Defect Liability Period (DL), preparation of project status reports and issuance of Practical Completion Reports and Certificates to the client OTDF.
- Preparation and Submissions of Monthly Progress Reports and Claims for payment and approval to the client (OTDF).

Nupmo Footbridge

PROJECT DATASHEET

Project Reference: 14248P

Industry: Civil Infrastructure - Bridge

ASSIGNMENT NAME:	APPROX. VALUE OF THE CONTRACT:
Nupmo Footbridge	Unavailable
LOCATION & COUNTRY:	DURATION OF ASSIGNMENT (MONTHS):
North Fly District – Western Province	18 Months
NAME OF FUNDING AGENCY:	TOTAL NO. OF STAFF-MONTHS OF THE ASSIGNMENT:
Ok Tedi Development Foundation (OTDF)	3.6 Person-Months
ADDRESS OF AGENCY:	APPROX. VALUE OF THE SERVICES PROVIDED BY YOUR FIRM UNDER THE CONTRACT:
PO Box 21, Kiunga, Western Province 335, Papua New Guinea	~PGK 400k
START DATE (MONTH/YEAR): COMPLETION DATE (MONTH/YEAR):	NUMBER OF PROFESSIONAL STAFF-MONTHS PROVIDED BY ASSOCIATED CONSULTANTS:
Start date: June 2013 Completion date: December 2014	N/A
NAME OF ASSOCIATED CONSULTANTS, IF ANY:	NAME OF SENIOR PROFESSIONAL STAFF OF YOUR FIRM INVOLVED AND FUNCTIONS PERFORMED:
Wildcat – Head Contractor EastBridge – Bridge Fabricator N/A	Bruce Nicholson – Project Manager Melison Kaian – Project Engineer Vagi Gamoga – Project Engineer (Structural)

NARRATIVE DESCRIPTION OF PROJECT:

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- Preparation and Submissions of Monthly Progress Reports and Financial Claims for payment and submission for approval to the client (OTDF).

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

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Detailed scope of services included:

- Inception and Mobilisation:
The project inception phase will establish the standards, systems and protocols to be adopted for the duration of the construction phase. Specific tasks will include but are not limited to:
 - Review Works Contract documentation including the appropriateness of the construction, payment schedules, payment terms & variation clauses, security & insurance requirements;
 - Establish communication protocols, brief personnel on project responsibilities, systems, procedures and security;
 - Ensure contractual obligations of contractor are met as to insurances, bonds, guarantees, cash flows, design and construction programs, etc;
 - Attend contract signing ceremonies (if applicable);
 - Attend ground-breaking ceremonies (if applicable); and
 - Review the contractual requirements for contractors' possession of the sites.

The Management Services will be divided into two sub-phases as follows:

- Contract Administration includes monthly reporting, and certification of Claims:
 - Construction monitoring/site visits of construction activities, construction materials, review procedures and to ensure compliance with approved documentation and the construction program. All Construction Supervision activities will be under the direct supervision of Engineers registered in that discipline with the Institution of Engineers (PNG) under The Professional Engineers' Registration Act (Amended) 2007;
 - Oversee commissioning and handover of the completed project including assessment of the defect punch lists for action by the Contractor; and Ensure compliance with standards, specifications and quality plan
 - Cost Control - monitoring of project costs and contractor's expenditure against cash flows and preparing monthly reports to indicate the project financial status; establish, maintain and update regularly an overall Project Budget; monitor the defined scope of works with the work proposed to be undertaken by the Contractor;
 - Monitor the Contractor's Cash Flow on a regular basis and advise the Client as required;
 - Contractor's programme - assessment of contractor's extension of time claims and monitoring of contractor's performance against his programme; and
 - Contract Management - conforming of the contract, management and administration of the contract, concluding the contract on completion and reporting. Verification, assessment, adjustment and recommendations as to payment of contractor's progress claims, management of variations, provisional sums, prime cost sums and contingency allowances.
- Quality Assurance Testing and Construction Monitoring:
 - Utilisation of KA's regional size and presence supported by the Ausenco Group to provide an appropriate choice of personnel with the relevant skills. This provides cross-fertilization of ideas, variety and depth of relevant local experience;
 - Implementation of the fundamental objectives and criteria for success are established with the client from the outset. Ensure project definition and managing stakeholder expectations are met and Implement project objectives which are crucial for implementation strategies and project delivery requirements;
 - Conduct our affairs in accordance with a set of operating procedures referred to as the KA Business System. This system has been previously third party certified to conform to the requirements of AS/NZS ISO 9001;
 - Monitor, review and report on the Contractors' construction activities and performance;
 - Review and enforce the quality of the work and obtain or review all QA testing and its compliance to Engineering standards and contract scope;
 - Liaison and Communication - Arrange interim cost control and quality assurance review meetings with the Contractor
 - Monitor the Contractors' Quality Plans and ensure they are complied with; and
- Reporting:
KA's reporting will cover:
 - the quality testing processes the contractor adopts, compliance or otherwise of the quality of the construction;
 - Progress of the works both narrative and in charts;
 - Financial data including the value of the works done and the payments certified to the date of report and cost to complete the project vis-a-vis the approved budget;
 - Red flag items if any; and
 - Likely cost overruns if anticipated.