

VESP Tanna Social Infrastructure Project

KA PROJ REFERENCE: 14452V

INDUSTRY: Education

DISCIPLINES: Architecture, Structural Engineering, Environmental and Social Safeguarding, Quantity Surveying, Inception Visits and Due Diligence, Design and Documentation, Procurement, Construction Supervision and Contract Administration

PROJECT SUMMARY

CLIENT

Coffey / DFAT – for Ministry of Education Technical Advisor (MoET)

LOCATION

Tanna, Vanuatu

PROJECT TYPE

Education, Social Infrastructure

YEAR COMPLETED

2019



PROJECT DESCRIPTION

In March 2014, Vanuatu was devastated by tropical cyclone Pam. Under the existing Vanuatu Education Support Program (VESP), KA worked closely with the Coffey International and Ministry of Education Technical Advisor to develop an implementation plan to utilize funding that was earmarked for infrastructure. The objective for Kramer Ausenco was to design and project manage the delivery of 42 classrooms in Tanna across 18 different school sites.

VESP commenced in September 2013, building from an earlier form of joint Australian, New Zealand and UNICEF funded support delivered through the Vanuatu Education Road Map (VERM) program. The first phase of VESP (initially 3 years with two extensions) finished in January 2019. VESP Phase 1 was funded jointly by the Australian and New Zealand aid programs with New Zealand funds provided to the Australian Department of Foreign Affairs and Trade (DFAT) through a Delegated Cooperation Arrangement. Coffey International Development was contracted by DFAT to manage the bulk of the technical and operational support to the Ministry through a contract with a total value of AUD 32,952,525. Other funds for VESP were provided through a Direct Funding Arrangement (DFA) with the Ministry of Education and Training (MOET) to support School Grants and Early Childhood Care and Education (ECCE).

PROJECT ROLE

Kramer Ausenco's role was the design and supervision consultant. This role was an all-in encompassing role that required development of the implementation strategy, architectural and engineering design, and procurement of the contractors/suppliers including administering the tender process, construction supervision and contract administration. Following this KA managed the defects liability period. Key outcomes were to deliver 42 classrooms in Tanna across 18 different school sites. Kramer Ausenco was awarded the contract to provide architectural and engineering design, procurement and construction administration and supervision of USD5M worth of infrastructure works to four junior secondary schools located in Tanna, Vanuatu. The project incorporates climate resilience, improvements and build back better principles to identified existing buildings as well as new classroom buildings. Specific roles included:

- Architectural and Civil/Structural Engineering
- Environmental and social safeguarding
- Quantity Surveyors
- Inception visit and due diligence
- Design & Documentation
- Procurement of Contractor to ADB small works procurement process
- Construction supervision and Contract administration

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Industry: Education, Social Infrastructure

ASSIGNMENT NAME:	APPROX. VALUE OF THE CONTRACT:
Tanna Social Infrastructure Project	USD 4 Million
LOCATION & COUNTRY:	DURATION OF ASSIGNMENT (MONTHS):
Tanna, Vanuatu	34
NAME OF FUNDING AGENCY:	TOTAL NO. OF STAFF-MONTHS OF THE ASSIGNMENT:
Coffey on behalf of DFAT & MFAT, for Ministry of Education Technical Advisor (MoET)	89.75 Staff Months
ADDRESS OF AGENCY:	APPROX. VALUE OF THE SERVICES PROVIDED BY YOUR FIRM UNDER THE CONTRACT:
Ministry of Education and Training (PMB 9028, Port-Vila, VAN) DFAT: MFAT: RG Casey Building 195 Lambton Quay John McEwen Crescent Wellington Central Barton ACT 0221, Australia Wellington 6011, NZ	30,000,000 Vt (~USD 220,000 equivalent)
START DATE (MONTH/YEAR): COMPLETION DATE (MONTH/YEAR):	NUMBER OF PROFESSIONAL STAFF-MONTHS PROVIDED BY ASSOCIATED CONSULTANTS:
Start date: March 2016 Completion date: January 2019	60
NAME OF ASSOCIATED CONSULTANTS, IF ANY:	NAME OF SENIOR PROFESSIONAL STAFF OF YOUR FIRM INVOLVED AND FUNCTIONS PERFORMED:
N/A	Saju Abraham (Senior Project Architect) Priscilla Amkori (Environmental Safeguards Specialist) Nicholson Garae (Senior Engineer) Jason Goddard (Country Manager – Australia) Jay Jameson (Country Manager – Vanuatu) Michael Kramer (Director / Senior Project Manager) Joanna Mahit (Administration) Niko Shem (Draftsperson) Sanalio Tofu (Senior Draftsman)

NARRATIVE DESCRIPTION OF PROJECT:

In March 2014, Vanuatu was devastated by tropical cyclone Pam. Under the existing Vanuatu Education Support Program (VESP), KA worked closely with the Coffey International and Ministry of Education Technical Advisor to develop an implementation plan to utilize funding that was earmarked for infrastructure. The objective for Kramer Ausenco was to design and project manage the delivery of 42 classrooms in Tanna across 18 different school sites.

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Kramer Ausenco's role was the design and supervision consultant. This role was an all-in encompassing role that required development of the implementation strategy, architectural and engineering design, and procurement of the contractors/suppliers including administering the tender process, construction supervision and contract administration. Following this KA managed the defects liability period. Key outcomes were to deliver 42 classrooms in Tanna across 18 different school sites. Kramer Ausenco was awarded the contract to provide architectural and engineering design, procurement and construction administration and supervision of USD5M worth of infrastructure works to four junior secondary schools located in Tanna, Vanuatu. The project incorporates climate resilience, improvements and build back better principles to identified existing buildings as well as new classroom buildings.

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

KA's engagement with Coffey International for this DFAT funded project was all encompassing, but important to the success of the projects was the local participation strategy and value for money achieved by this strategy. It is with these fundamental parameters combined with KA's experience from previous projects, knowledge of the area and local capability, a successful implementation strategy was developed. The implementation strategy was successful in delivering the project key objectives and has now become a benchmark project in Vanuatu for this type of infrastructure. The overarching principals of the implementation strategy developed was as follows:

- Labour only strategy for local contractors so as to not financially strain the contractor's ability to procure materials and by limiting cashflow which could hinder progress.
- Simple architectural and engineering design that utilizes familiar construction typology to local contractors whilst meeting sustainable design requirements in relation to longevity, low maintenance, climate resilience
- Obtain value for money by developing a detailed bill of quantities and packaging material supply contracts, large enough that provide economies of scale
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The overall VESP program was largely completed in late 2018 delivering an additional 1000 classroom seats in Tanna and was noted as a success with positive feedback received from all stakeholders. Value for money was obtained with the overall construction rate per square meter of building being competitive in comparison to other projects of similar nature. We highlight the following outcomes:

1. Firstly, General Performance and Progress – KA has overseen successful completion of the construction of 42 new classrooms on Tanna.
2. Secondly, Cost and Schedule Performance – Current cost and schedule performances were in line with planned cost and schedule performance.
3. Thirdly, Quality and Client Satisfaction - Completed works met functional and performance specifications, and Client has been satisfied with the outcome.
4. Finally, Safety performance – The Project Child Protection and Health and Safety Policy are enforced on site. There have been no fatalities, non-life-threatening injuries, or life-threatening injuries. There were no disturbances or complaints in relation to these.

Kramer Ausenco's services included: Architecture, Structural Engineering, Environmental and Social Safeguarding, Quantity Surveying, Inception Visits and Due Diligence, Design and Documentation, Procurement, Construction Supervision and Contract Administration.

Works Package	School Site	No. School Sites	Classroom Types	Est Construction Time (Person months)	Approx. Construction Cost (VUV)
1	Iquaramanu, Isaka, Manuapen	3 school sites	• 1 x double classroom each site	5-6	42M
2	Lowenta, Enkatalei, Dip Point	3 school sites	• 1 x double classroom each site	5-6	42M
3	Green Hill, Fetukai	2 school sites	• 1 x triple classroom each site	6-7	42M
4	Lamnatou, Leauer, Lamlu, Lounahunu	4 school sites	• 1 x double classroom each site	8 -10	56M
5	Yapilmai, Ikiti	2 school sites	• 1 x double classroom Ikiti • 2 x double classroom Yapilmai	5-6	42M
6	Yavenkula, Isla	2 school sites	• 1 x double classroom each site	4-5	28M
7	Lanakel, Isangel	2 school sites	• 1 x double, classroom Isangel, • 2 x double classroom Lanakel	5-6	42M
Total		18 school sites	42 classrooms	38 - 46	294M