VESP
VANUATU EDUCATION SUPPORT PROGRAM

SCHOOL ASSET MASTERPLAN - VANUATU PRIMARY SCHOOL INFRASTRUCTURE STUDY

TENDER BRIEFING

ARCHITECTURAL/ENGINEERING SERVICES

28 June 2022

Ministry of Education & Training
Government of Vanuatu

PROBLEM TO BE ADDRESSED

While the Ministry of Education and Training (MoET) have records of primary school enrolment and the quantum and quality of primary school's infrastructure, the sufficiency and adequacy of this infrastructure to accommodate current and future school age population is unknown.

The MOET have requested that VESP development an **ASSET MASTER PLAN** with the **general objective** to:

Determine the physical capacity of the Vanuatu education school system to accommodate current and projected primary school age population

The **specific objectives** of the **Plan** are to determine

1. at each primary school:
   a) Whether the quantum/size of the school infrastructure is sufficient to accommodate the current and forecasted primary enrolments, and if not, what additional school infrastructure is required.
   b) Whether the school infrastructure satisfies minimum infrastructure specifications and provides for the appropriate curriculum requirements and if not, what remedial works are required to upgrade the school infrastructure to the required standard.

2. the cost to
   a) Building additional school infrastructure for both the current and 5-year forecasted enrolments.
   B) Upgrade the substandard school infrastructure.

Using data available on MoET Open Vanuatu Education Management Information System (OVEMIS)

VESP have engaged:

- Education Infrastructure Specialist (EIS) -Rhys Gwilliam
- Statistical Data Specialist (SDS) - Marc Delrieu

to undertake the Plan.

The EIS requires the support of an Architectural-Engineering consultancy (the **Consultant**) to analyse existing primary school infrastructure and produce the required reports which will comprise the Plan.

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REPORTS COMPRISING THE PLAN:

1. School Infrastructure Guidelines
2. Infrastructure Assessment Reports for each province (6 Reports)
3. National School Infrastructure Assessment Report

CONSULTANT SCOPE OF WORK

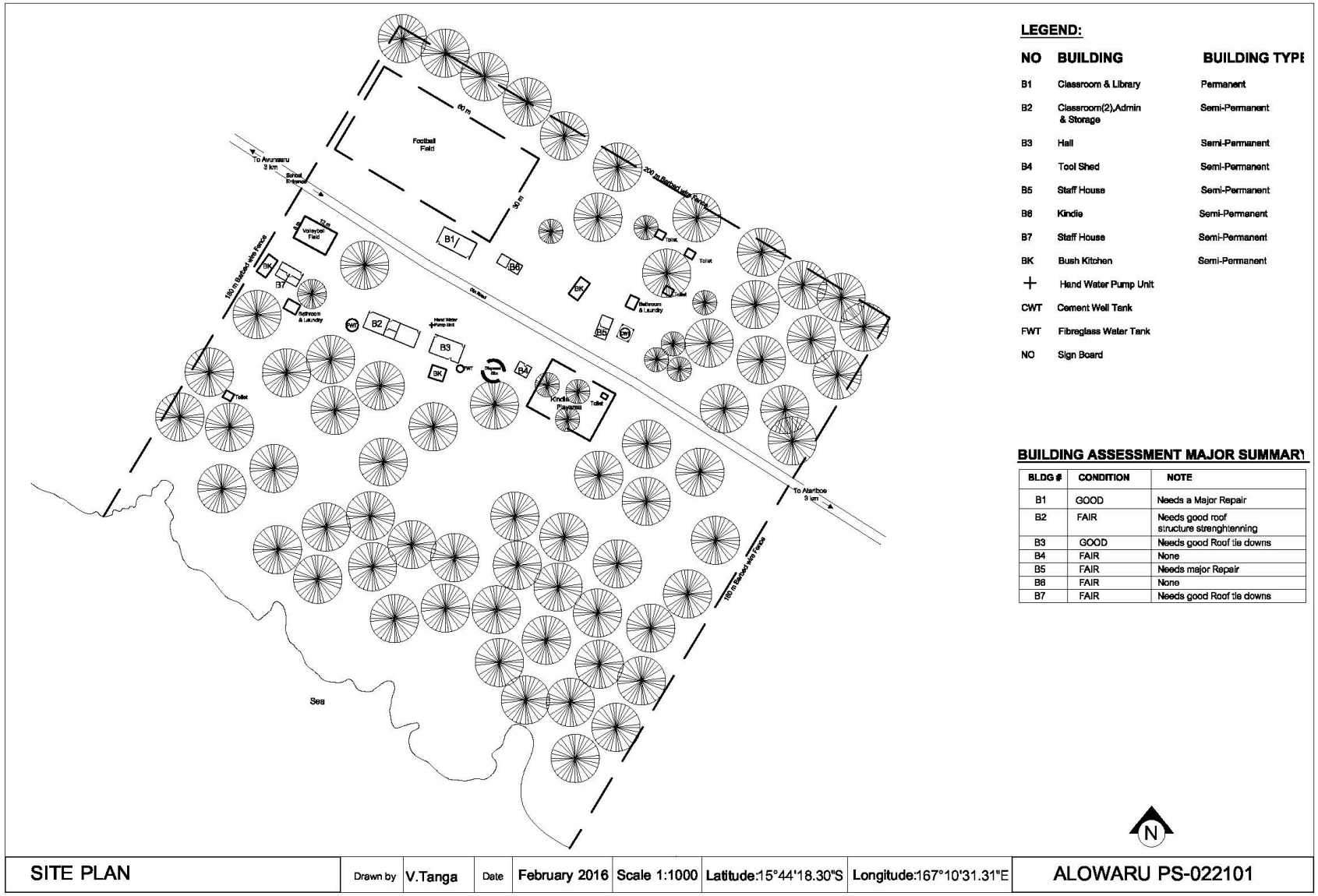
1. Drafting of School Infrastructure Guidelines (SIG) developed by the EIS (AutoCAD)
2. Enrolment and Infrastructure schedule for each of the approximately 450 schools (Excel)
3. Infrastructure Gap between existing infrastructure and that recommended in the SIG at current and 5-year forecasted levels (Excel)
4. Infrastructure remediation schedule based on an educated viewing of photographs and written descriptions in OVEMIS (EXCEL)

5. Develop m2 cost rates to build new and repair existing buildings based on current construction costs (Excel)
6. Capital Works Plan for each school (Excel)
7. Remedial Works Plan for each school (Excel)
8. Replacement value schedule for each school (Excel)
9. Provincial Summary of items 2,3,4,6,7 by school and Area Council (Excel)

METHODOLOGY

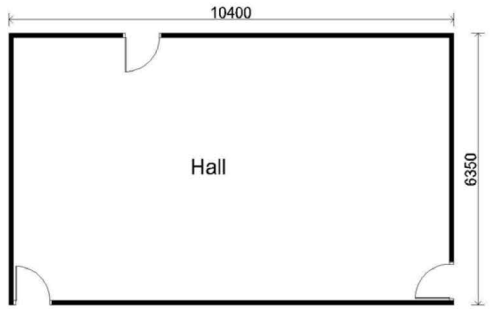
- Existing documentation collected and collated
- Attend Workshop (25 August)
- Draft drawings for guidelines
- Prepare excel schedules based on Malo example and using documents available in OVEMIS and/or World Bank
- Assist EIS finalise Provincial and National Infrastructure Assessment reports

Documents available in OVEMIS



SCHOOL SURVEYS – BUILDING PLAN & SURVEY INFORMATION

SCHOOL: ALOWARU PS	ISLAND/PROVINCE: MALO/SANMA	VEMIS No: 022101
BUILDING: B3-HALL	SURVEYOR: VTANGA	DATE: 9/02/16

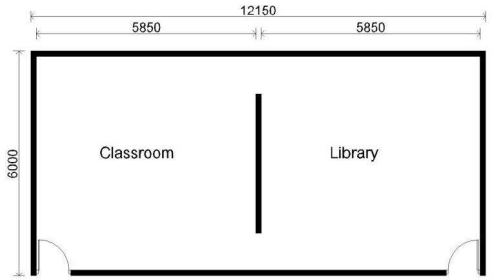


Roof Length: 4500 mm — FLOOR PLAN

Building info.	**Cyclone resistant**		YES	NO	**Condition:**			
Building type	Permanent	Semi perm	Traditional		Very good	Good	Fair	Poor
Roof finish	Color bond	Galv. iron	Traditional		Very good	Good	Fair	Poor
Roof structure	Nailed trusses with 100x50 purlins				Very good	Good	Fair	Poor
Roof tie downs	YES	NO	**Describe** :Trusses nailed and strapped to wall frame/No Roof screws on roof					
Wall structure	Stone wall	Timber Framed	Traditional		Very good	Good	Fair	Poor
Floor	Concrete	Cement	Coral	Timber	Very good	Good	Fair	Poor
Ceiling	YES	NO	Material-		Very good	Good	Fair	Poor
Windows/Shutters	Open timber frame with wire mesh				Very good	Good	Fair	Poor
Electricity	YES	NO	**Water**	YES	NO			
Age if known	Years		**Floor Area**			**Capacity**		
Overall Floor Area	66 sq. m							

SCHOOL SURVEYS – BUILDING PLAN & SURVEY INFORMATION

SCHOOL: ALOWARU PS	ISLAND/PROVINCE: MALO/SANMA	VEMIS No: 022101
BUILDING: B1-CLASSROOM(YR 2,3),LIBRARY	SURVEYOR: VTANGA	DATE: 9/02/16



Roof Length: 7200 mm — FLOOR PLAN

Building info.	**Cyclone resistant**		YES	NO	**Condition:**			
Building type	Permanent	Semi perm	Traditional		Very good	Good	Fair	Poor
Roof finish	Color bond	Galv. iron	Traditional		Very good	Good	Fair	Poor
Roof structure	Nailed Trusses with 75x50 purlins				Very good	Good	Fair	Poor
Roof tie downs	YES	NO	**Describe** :Trusses fixed with steel rod to RC Beam/No Roof screws on roof					
Wall structure	Block	Timber Framed	Traditional		Very good	Good	Fair	Poor
Floor	Concrete	Cement	Coral	Timber	Very good	Good	Fair	Poor
Ceiling	YES	NO	Material-Masonite		Very good	Good	Fair	Poor
Windows/Shutters	Decorative screen block				Very good	Good	Fair	Poor
Electricity	YES	NO	**Water**	YES	NO			
Age if known	Years		**Floor Area**			**Capacity**		
Overall Floor Area	72 sq. m		Classroom 1:35 sq. m Library:35 sq. m			18 students		

MALO EXAMPLE

Excel sheet (upload separately)

RESOURCES REQUIRED

One or two architectural and/or engineering technicians for 180 days over twelve months.

e.g.

- 1 x architectural technician for 180 days

Or

- 1 architectural technician for 100 days
- 1 x engineering technician for 80days

TIMELINE

Start 15 August 2022

Complete 14 August 2023

QUALIFICATIONS AND EXPERIENCE

Qualifications

Professional or vocational qualification in a building construction related discipline.

Essential Experience and Knowledge

-Minimum 5-years architectural and/or engineering experience in Vanuatu
-Demonstrated experience with CAD programs
-Demonstrated experience with MS excel, word and word tables

Desired experience and knowledge

Design of school buildings

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QUESTIONS

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