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CYCLONE WINSTON PRELIMINARY ASSESSMENT SCHOOLS, HEALTH FACILITIES & PUBLIC BUILDINGS

FOR

**THE FIJI INSTITUTION OF ENGINEERS & DEPARTMENT OF
NATIONAL PLANNING (MINISTRY OF FINANCE)**



| | |
|-------------------------|-------------------------------|
| NAME OF FACILITY: | Ba Muslim Primary School |
| TYPE: | Primary School & Kindergarten |
| LOCATION: | Yalalevu, Ba |
| DATE OF ASSESSMENT: | 21 March 2016 |
| DATE OF REPORT: | 06 April 2016 |
| JOB NO: | 16015 |
| HLKJACOB REPORT NO: | 17-S |
| HLKJACOB FACILITY NO: | 09 |
| GOVERNMENT FACILITY NO: | 022 |



RAPID ASSESSMENT TEMPLATE: CYCLONE WINSTON DAMAGED BUILDINGS
SCHOOLS, PUBLIC BUILDINGS & HEALTH FACILITIES

INSPECTOR: Tarun Raj, Krishneel Vyas, Jowave Tuinuku
FIRM/COMPANY: HLKJACOB

Extent of Damage Rating Description

Table with 2 columns: Rating (0-4) and Description (No Damage, Minor/Cosmetic/Water, Some Damage, Extensive but Repairable, Irreparable)

GENERAL INFORMATION

Building Name: Ba Muslim Primary School (Years 1 to 8)
Location: Yalalevu, Ba
No. of Buildings: 1
Ariel Plan Available: YES / NO

Types of Buildings

- School Block
Staff Quarters
Toilet Block
Utility Building (FEA, Services, etc)
Divisional Hospital
Sub-Divisional Hospital
Health Centre
Nursing Station

REPORT

Page No.: 1
Building No.: 1
Building Type: School Block (Classrooms & Admin.)
Building Approx Age: 44 years+ (established 1972)
No. of Storeys: 2 storey
Building Dimensions (Approx.): 57.34m L x 9.6m W x 6.2m H
Roof pitch approx. 9 degrees - Gable
Usability: Safe to occupy 27%

EVALUATION

Main evaluation table with columns: Type of Construction, Description, Build Quality (1-3), Damage, Extent of Damage Rating, Photo No. Rows include Foundations, Floor, Tiles/Floor Covering, Walls, Windows/Doors, Shutters, Ceilings, Rafters, Purlins, Roof Cladding, Terraces/Verandah, Gutters, Downpipes, Fascia Boards/Flashings, Electrical, Mechanical, and Possible Intermediate/Long Term Solutions.

Damage Assessment (FJD \$ VEP) 204,000.00 Intermediate
Damage Assessment (FJD \$ VEP) 375,000.00 Long Term
Basis of Calculation QS Cost Database & Engineers Estimate



**GENERAL DAMAGE
SCHOOLS, PUBLIC BUILDINGS & HEALTH FACILITIES**

INSPECTOR: Tarun Raj, Krishneel Vyas, Jowave Tuinuku
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Page No. : 2

| |
|--|
| 1 FENCING / GATES / DRIVEWAY / RETAINING WALLS ETC (INCLUDE TYPE / LENGTH ETC) |
| Typically chain-link fence on 150 dia. pine posts in mass concrete footings (size not known). Approximately 600m of fencing damaged or distorted due to fallen trees and flying debris . At least 400m of chain-link and 80% posts can be re-used, but would require new concrete footings with balance materials to be new match existing. Estimate = \$ 6,000 for fence fixing. |
| 2 WATER TANKS/METERS/PLUMBING |
| No visible damage. |
| 3 POWER LINES / METERS / WIRING |
| No visible damage. |
| 4 OTHER ITEMS |
| Currently classes are being run in other rooms. Long term solution would require decent time of possibly 6 to 9 months of staged construction depending on material availability for a complete long term solution subject to additional cost consideration. Possible site services for long-term to include back up water supply and generators for back up FEA supply - Estimate = \$150,000 |

| TOTAL COST ESTIMATE: | INTERMEDIATE | LONG TERM |
|-----------------------------|---------------------------------|---------------------------------|
| <u>DESCRIPTION</u> | <u>DAMAGE COST (FJD \$ VEP)</u> | <u>DAMAGE COST (FJD \$ VEP)</u> |
| <u>BUILDING 1 - BLOCK A</u> | <u>204000.00</u> | <u>375000.00</u> |
| <u>GENERAL SITE</u> | <u>6000.00</u> | <u>156000.00</u> |
| <u> </u> | <u> </u> | <u> </u> |
| <u> </u> | <u> </u> | <u> </u> |
| TOTAL: | \$210,000.00 | \$531,000.00 |



PHOTOS – BUILDING 1



Photo 1: Overall View of Building 1 Frontage – Block A



Photo 2: Gable End View of Building 1 – Block A



Photo 3: View of Balance of roof



Photo 4: Completely blown off roof and water ponding on timber floor.



Photo 5: Broken louvers on windows



Photo 6: Water damaged ceiling under timber floor.



SITE PLAN & OTHER SKETCHES

Re.....

Project..... Ba Muslim Primary

