

LETTER HEAD

ENGINEER'S CYCLONE CERTIFICATE

(VERSION 6.2)

[FOR EXISTING BUILDINGS ONLY]

Cyclone Certificate

No: _____

I, ,being a Corporate Member / Fellow of the FIJI INSTITUTION OF ENGINEERS hereby certify that I have reviewed the design and construction of the existing structure for cyclonic wind loads.

Name of Registered Owner/Tenant:

Address:

Location:

Lease Certificate: Deposited Plan No: Lot No: SO:

I further certify that the works defined above have been assessed in accordance with sound and widely accepted Engineering principles; that they generally complies with the National Building Code of Fiji and the following specific Reference Codes.

- 1. AS/NZS 1170.2 – 2002: Wind Actions.
2.
3.

I further state that I have generally ascertained to the best of my ability that the stresses and combinations of stresses in the various materials of construction under the above loads will not generally exceed the maxima to ensure the safety and stability of the structure.

(1) BRIEF DESCRIPTION OF STRUCTURE:

Residential

Other

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- (2) BUILDING DIMENSIONS: Length (m):
Width (m):
Height (m): (Eaves height)

(3) Additional detached structures excluded from this Certification:

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(4) GROSS FLOOR AREA:m²

(5) No. of LEVELS:

(6) WIND LOAD DESIGN CRITERIA: (as per AS/NZS 1170.:2002)

- a) Minimum Regional Wind Speed, VR(u) (ultimate limit state) (m/s) :
b) Structure Importance Level :
c) Internal Pressure Coefficients :
d) Design Wind Velocity (ultimate limit state) m/s :

Note: This certificate format has been jointly reviewed and approved by the Fiji Institution of Engineers and the Insurance Council of Fiji on 27th November 2009

(7) BUILDING ENVELOPE

I / we certify that the building envelope (windows, doors and cladding) is capable of resisting impact loading as stipulated under Clause 5.3.2 of AS/NZS 1170.2: 2002. (Equivalent to a 4 kg piece of timber of 100 mm x 50 mm cross-section, projected at 15 m/s at any angle).

(8) EXPIRY DATE OF THIS CERTIFICATE:

(Maximum 7 years subject to conditions stated below.)

The validity of this Cyclone Certificate is subject to the property being regularly maintained by the building owner. Regular maintenance shall include but be not limited to the following: roof gutters and its fasteners, roof cladding, capping and fasteners, any service unit such as water tanks, solar panels, etc, all exposed timber and steel including the fasteners forming the roof and other building structural components and shutters and fasteners for the externally glazed areas. Fasteners shall include but not be limited to the following: nails, screws, straps, bolts, welds, plates, brackets, etc.

(9) GENERAL

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WAIVERS

- 1) The report however recognizes that only representative inspection samples of the structural components have taken place, and that the inspection has not covered those components which are embedded, or otherwise out of view. In such cases the structural components which cannot be seen are deemed to be either similar to those within view or in the case of embedded items, of sufficient strength to resist the design loading.

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(10) PROFESSIONAL INDEMNITY INSURANCE

I/ we state that we hold a current Professional Indemnity Insurance Certificate No.....
for the sum of FJ\$....., which expires on the.....

(11) INSPECTION CERTIFICATE

It is stated that an inspection of representative members of the structure of the above premises has been carried out. This Certificate is based on site inspections from..... to..... . Any change to the structure from the date of final inspection given below, invalidates this certification.

Digital Photographs numbered to are enclosed in the attached disk.

Signature: Date: **DD/MM/20YY** FIE Corporate Membership No:

Name:

Professional Qualifications:

For and on behalf of:

Address:

Company Stamp:

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INSURANCE COUNCIL OF FIJI

P.O. Box 14054, Suva, Fiji

Phone: (679) 330 2717 Fax: (679) 330 2119

Cyclone Certification Photo Requirements

All new certificates must be accompanied with photographs in both digital & printed format and must show:

- View of the overall property for identification purposes
- Overhead view of the roof and fastenings
- View of purlins (where physically possible)
- View Rafters & fastening
- View windows including shutter brackets and actual shutters.