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SURIYA PRABHA STRUCTURAL CONSULTANTS

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Er.S. Ramachandran
M.E.Struct, D.I.I.T. Building Tech.,
Office No. 044 - 2366 0056

STRUCTURAL STABILITY CERTIFICATE

The detailed engineering and structure design of the proposed residential Building Comprising of Ground + 1st Floor at **"VNCTBEACH BOULEVARDPHASE-3"Survey Nos.** 69/7has been done by us based on the report of geotechnical investigation (soil test) done by **FALCON INDUSTRIALTESTING LABORATORY PVT LTD**TestReport No **TR230536Date :13.5.2023** and considering the functional requirement of the Building.

2. It is certified that among other factors, the proposed building has been designed to resist earthquake, We have checked various parameters and found that the proposed building would be safe.

3. We further certify that:

(i) The minimum grade of concrete is **M-25**

(ii) The design and analysis has been done using the code of practice for plain and reinforced concrete as per **IS 456,** design loads as per IS Codes No **IS 875**and design earthquake resistant structure as per IS Code No **IS 1893-2002.**

4. The building will be safe and sound when used for the purpose for which it is designed.

Stamp & Signature

Er. S. RAMACHANDRAN
M.E (Struct), DIIT (Bldgs. Tech)
Structural Engineer Grade - I (SE)
Reg. No: CGL DIST/SE/GR-1/2021/10/006
Dt.: 04.02.2019 Valid Upto 12.10.2026

As per Structural Design Calculation:

These Buildings (Ground + 1st Floor) are designed for all forces as per code.

The soil Medium Dense Brownish Medium to Fine Sand.

The foundation depth proposed at 2.0m and SBC at this depth is 100kn/m^2.

Isolated and Combined footing proposed for foundation.

Loading:

1. Floor	:	3KN / M^2
2. Roof	:	1.5KN / M^2
Concrete	:	M-25
Steel	:	Fe 500
Earth Quake Zone	:	III

Clear Cover:

Footing	:	50mm
Columns	:	25mm
Beam	:	40mm
Floor Slab	:	20mm
Roof Slab	:	25mm
Development Length	:	40d + 10d
Type of Foundation	:	Shallow Foundation

We certify that the building is designed as Earthquake Resistant Building .We will frequently inspect the site for quality of materials and construction.

VINCT GLOBAL LLP CHENNAI 600 034

Er. S. RAMACHANDRAN
M.E (Struct), DIIT (Bldgs. Tech)
Structural Engineer Grade - I (SE)
Reg. No: CGL DIST/SE/GR-1/2021/10/006
Dt.: 04.02.2019 Valid Upto 12.10.2026

The Building is designed as per IS codes.

IS 875	-	for loads calculation.
IS: 456-2000	-	Concrete code
IS: 1893-2002	-	Earthquake Resistant Design of Structures.
IS: 13920-1993	-	Ductile Detailing for Earthquake Resistant
IS: 800 – 2002	-	Steel Code

Reinforcement detailing is proposed as Ductile detailing for Earth quake. We certify that the design is Structurally Safe and sound and inspection will be carried out then and there for quality of materials and construction .

CONSTRUCT GLOBAL LLP CHENNAI 600 034.

Er. S. RAMACHANDRAN
M.E (Struct), DIIT (Bldgs. Tech)
Structural Engineer Grade - I (SE)
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Dt.: 04.02.2019 Valid Upto 12.10.2026



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Zoning & Land Use Analysis

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Property Documentation & Workflow Tools

Forms & Templates, Document Generator, Document Translation, Dictionary

Vastu & Property Management Tools

Home Vastu Shastra, Plot Vastu Shastra, Property Management

Verified RealEstate™

We're honored to be part of your real estate journey

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