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Chartered Engineer

KURAL ASSOCIATES
Perception to Execution

STRUCTURAL STABILITY CERTIFICATE

SITE ADDRESS:- PLAN SHOWING THE PROPOSED CONSTRUCTION OF RESIDENTIAL GROUP DEVELOPMENT BUILDING CONSISTS OF BLOCK A:- STILT FLOOR + 5 FLOORS RESIDENTIAL BUILDING WITH 39 DWELLING UNITS (WITH HEIGHT 18.30M) AND BLOCK B:- STILT FLOOR + 5 FLOORS RESIDENTIAL BUILDING WITH 50 DWELLING UNITS (WITH HEIGHT 18.30)-TOTALLY 89 DWELLING UNITS AVAILING PREMIUM FSI AT T.PONNAMBALAM SALAI, KOLAPAKKAM, KANCHIPURAM DISTRICT AND COMPRISED IN S.NO. 132/9 OF KOLAPAKKAM VILLAGE, KUNDRATHUR TALUK AND WITHIN THE LIMITS OF KUNDRATHUR PANCHAYAT UNION.

The Residential Building referred to above is a framed structure with **S+5 upper floor**. The structural design and drawing for the building are being prepared by us conforming to the relevant bureau of Indian Standards viz. IS 456:2000 for plain and reinforced concrete, IS 875(part-II)- 1987 for imposed loads and IS 1893:2002(part-1) for seismic force.

We certify that the building when constructed according to our structural designs and drawings will be **structurally safe and sound** taking earthquake effects in account and fit for occupation. No more future vertical expansion will be allowed except staircase & lift headroom.

T.BHARANIDHARAN.M.E.,C.Eng.
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PLAN SHOWING THE PROPOSED CONSTRUCTION OF RESIDENTIAL GROUP DEVELOPMENT BUILDING CONSISTS OF BLOCK A:- STILT FLOOR+ 5 FLOORS RESIDENTIAL BUILDING WITH 39 DWELLING UNITS (WITH HEIGHT 18.30M) AND BLOCK B:- STILT FLOOR + 5 FLOORS RESIDENTIAL BUILDING WITH 50 DWELLING UNITS (WITH HEIGHT 18.30)-TOTALLY 89 DWELLING UNITS AVAILING PREMIUM FSI AT T.PONNAMBALAM SALAI, KOLAPAKKAM, KANCHIPURAM DISTRICT AND COMPRISED IN S.NO. 132/9 OF KOLAPAKKAM VILLAGE, KUNDRATHUR TALUK AND WITHIN THE LIMITS OF KUNDRATHUR PANCHAYAT UNION.

Structural design brief

Introduction

The proposed residential building is a framed structure with stilt and five upper floors. The building is analyzed and designed conforming to loading standards IS: 875 (part II) and to seismic force as per IS 1893: 2002, the revised India code for earth quake resistant design of structures.

A. Load considered in the design

Live load on roof	1.5 KN/M^2
Live load on floor	2 KN/M^2
Weathering course on roof	2KN/M^2
Floor finish	1 KN/M^2
Light partition	1 KN/M^2
Unit weight of brickwork	20 KN/M^3
Unit weight of concrete	25 KN/M^3

B. Design details

Design method	LIMIT STATE DESIGN
Codes & special publication used	IS 456: 2000, IS 1893:2002(PART I), SP 16, IS 875(PART II)
Concrete grade	M25
Steel grade	FE 415

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Property Documentation & Workflow Tools

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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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