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Official Property Record



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STRUCTURAL DESIGN – STABILITY CERTIFICATE

This is to certify that the structural design of the Residential apartment site T.S No.3/1,3/3,5/6 & 5/8 Block No. 115 at Erukkenchery High Road, Madhavaram village, Madhavaram Taluk,,Chennai,(Madras)-603202 Building is designed based on architectural plans submitted to concerned development authority by architects Kharche & Associates. infra consultant.

1. System software used for the frame analysis	CSI ETABS 17.0.1
2. System software used for raft foundation design	CSI SAFE2016
3. Foundation	Pile Foundation
4. Superstructure	RCC Framed Structure
5. Pile capacity adopted by Structural engineer	450mm Dia = 790 KN 500mm Dia = 980 KN 550mm Dia = 1130 KN 600mm Dia = 1290 KN
6. Pile capacity recommended by	PRASAD ARMSTRONG YEN GEC PVT LTD.
7. Minimum strength of concrete	M-25
8. Minimum strength of steel.	500 pa
9. Seismic Zone	Zone III
10. Basic Wind Speed	50m/s

The structure is a reinforced concrete framed structure consists of stilt floor + 13 floors + Terrace floor with RCC columns appropriately and is complying with the Bureau of Indian Standard norms and is safe for the purpose for which it is intended.

It has been designed in accordance with IS: 456 and IS: 875. The structure falls under seismic zone II as per seismic code IS: 1893(part1)-2016 and has been detailed accordingly.

We affirm that the structural designs and drawings prepared duly taking the Soil Bearing Capacity (SBC) into consideration as per the soil consultant's report and true and correct accordingly to Knowledge and professional experience. The structure will be constructed as per our design detailing of reinforcement drawings for all structural elements.

Thank You,



Yours Sincerely

AMARNATH R. BORAIYAH
CHENNAI METROPOLITAN DEVELOPMENT AUTHORITY
Registered Structural Engineer Grade-1 (SE)
REG No. SE/C-1/19/03/017
17, C-Block, R.V. Nagar, Ashoknagar,
CHENNAI - 63, Ph : 9731303187

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