



## STRUCTURAL ENGINEERING LABORATORY

DEPARTMENT OF CIVIL ENGINEERING  
INDIAN INSTITUTE OF TECHNOLOGY MADRAS,  
CHENNAI - 600 036, India  
Email : garao@iitm.ac.in; garao4279@gmail.com

**Dr. G. APPA RAO** Ph.D (IISc)  
Professor (HAG)

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### To Whomsoever It May Concern

This is regarding Structural Health Safety Audit of Garden Tower 18 and Tower 19, Nallambakkam, Uniworld City, Chennai. The buildings structural health Audited and found safe as per National Building Code, however the measures of Strengthening/repair suggested are as follows:

1. Ultrasonic Pulse Velocity test (UPV) exhibited UPV lower than 3.0 kmph at 66 members/locations. These 66 members need local strengthening. (Values of UPV less than 3.0 mean concrete falls between satisfactory to doubtful categories.)

The local strengthening/repair needs to be carried out using either GFRP (Glass Fiber Reinforced Polymer) wrapping, concrete jacketing or pressure grouting for overall stability of towers.

2. Beams at top three floors (11th to Terrace) noticed honeycombs. Needs spraying of cement gel after removing the rusted surface of reinforcements.
3. Honeycombing and exposed reinforcements were observed in terrace and overhead tanks. Repair all the surfaces as suggested in the report.

Yours sincerely,

**G. APPA RAO**



**Dr. G. APPA RAO**  
Professor  
Department of Civil Engineering  
Indian Institute of Technology Madras  
Chennai - 600 036, India