



Date: 27.02.2023

TO WHOMSOEVER IT MAY CONCERN

This is regarding Structural Health Safety Audit of Harmony Tower-2 at Plot No. AA-III/BLK-1, Action area-III, New Town ,Rajarhat, Kolkata.

The structural health of Harmony Tower-2 has been audited and found safe as per National Building Code and relevant BIS Codes. However the measures of strengthening / repair to be implemented are as follows.

- Improper vertical alignment of column/ shear wall is noticed at column C211 (grid mark V04 to V05-H04) at different floor level, C215 (Grid Mkd V03-H06) at third floor level and C204 (Grid Mkd V01-H02) at different floor level. Jacketing with micro concrete is to be carried out as mentioned in the report.
- Voids, honeycomb concrete, cracks and exposed reinforcements are noticed at various locations of the Tower as mentioned in the report. These areas are to be repaired with Single pack polymer modified mortar/ micro-concrete and pressure grouting with low viscous epoxy compound.
- Flexural cracks are noticed in beams at different number of beams. These beams are to be strengthened with carbon fibre wrapping as mentioned in the report.
- This Tower is constructed up to 3rd floor level. For further construction of upper floors, top (support) reinforcement in slab should be provided @Tor 8 - 200 mm c/c.
- Cracks are noticed at slabs. Pressure grouting with low viscous epoxy compound to be carried out.

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