



Date: 15.02.2023

## TO WHOMSOEVER IT MAY CONCERN

This is regarding Structural Health Safety Audit of Harmony Tower-7 at Plot No. AA-III/BLK-1, Action area-III, New Town, Rajarhat, Kolkata.

The structural health of Harmony Tower-7 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/shear wall C720 (grid mark V10-H07) at different floor level, C711 (Grid Mkd V04-H04) at nineteenth floor level, C709 (Grid Mkd V18-H04) at twenty first floor level and C725 (Grid Mkd V03-H07) at different floor level. Jacketing with micro concrete is to be carried out as mentioned in the report.
- Voids, honeycomb concrete 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 and shear cracks are noticed in 10th floor at different beams. These beams are to be strengthened with carbon fibre wrapping as mentioned in the report.
- Cracks are noticed at soffit level of slab, particularly at the locations of electrical conduits in slabs. Pressure grouting with low viscous epoxy compound should be carried out.

A handwritten signature in blue ink, appearing to read 'Subhajit Saraswati'.

**Dr. Subhajit Saraswati**  
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