



Date: 11.01.2023

## TO WHOMSOEVER IT MAY CONCERN

This is regarding Structural Health Safety Audit of Harmony Tower-5 at Plot No.AA-III/BLK-1, Action area-III, New Town, Rajarhat, Kolkata.

The structural health of Harmony Tower-5 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 C525 (grid mark V16-H07) at ground and first floor level and at column SC-1 at fourteenth floor level. Jacketing with micro concrete is to be carried out as mentioned in the report.
- Void, honeycombs 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.
- Re-plastering of internal surfaces of the building is to be carried out wherever required.
- Pointing with 1:4 cement sand mortar is to be carried out at mortar joints of the brick mortar.

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

**Dr. Subhajit Saraswati**  
Professor  
Department of Construction Engineering  
Jadavpur University