



Date: 07.12.2022

TO WHOMSOEVER IT MAY CONCERN

This is regarding Structural Health Safety Audit of Harmony Tower-4 at Plot No.AA-III/BLK-1, Action area-III, New Town, Rajarhat, Kolkata.

The structural health of Harmony Tower-4 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 C425 (grid mark V16-H07) and C403 (Grid Mkd V11-H01) at different floor levels. Jacketing with micro concrete is to be carried out as mentioned in the report.
- 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.
- Congestion of concealed electrical conduits noticed in beam and slab. Cracks are developed on account of this and also at soffit level of slab at various locations. Pressure grouting with low viscous epoxy compound is to be carried out at these locations.
- Poor quality of brick work noticed wherever constructed. Joints are to be properly filled with mortar. Pointing with 1:4 cement sand mortar is to be carried out at mortar joints of the brick mortar.
- 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.

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