pH-triggered construction of NLO active CMOFs: change in supramolecular assembly, water clusters, helical architectures and their properties

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Figure S1: Each water tetramers are connected by six other tetramers by hydrogen bonding in complex 1 (O=Red and H=Hydrogen)



(a) along *bc*-plane
(b) along *a*-axis
Figure S2: The supramolecular chains are in between two parallel water sheets (C=Grey(a); Deep Blue(b), O=Red, H=White)



Figure S3: The 3D metallosupramolecular network of complex 1



Figure S4: The 1D helical water chains in complex 2 (O=Red and H=Orange)



Figure S5: The 3D metallosupramolecular network of complex 2



Figure S6: The TG-DTA curve of complex 1



Figure S7: The TG-DTA curve of complex 2



Figure S8: IR data of Complex 1



Figure S9: IR data of complex 2



Figure S10: Oxygen- π interaction between O6 oxygen atom and π -ring (cg7) in complex1



(b)

Figure S11: The UV-Vis spectra of the two complexes at two different wavelength region [(a) low concentration at low wavelength region, (b) high concentration at longer wavelength region].