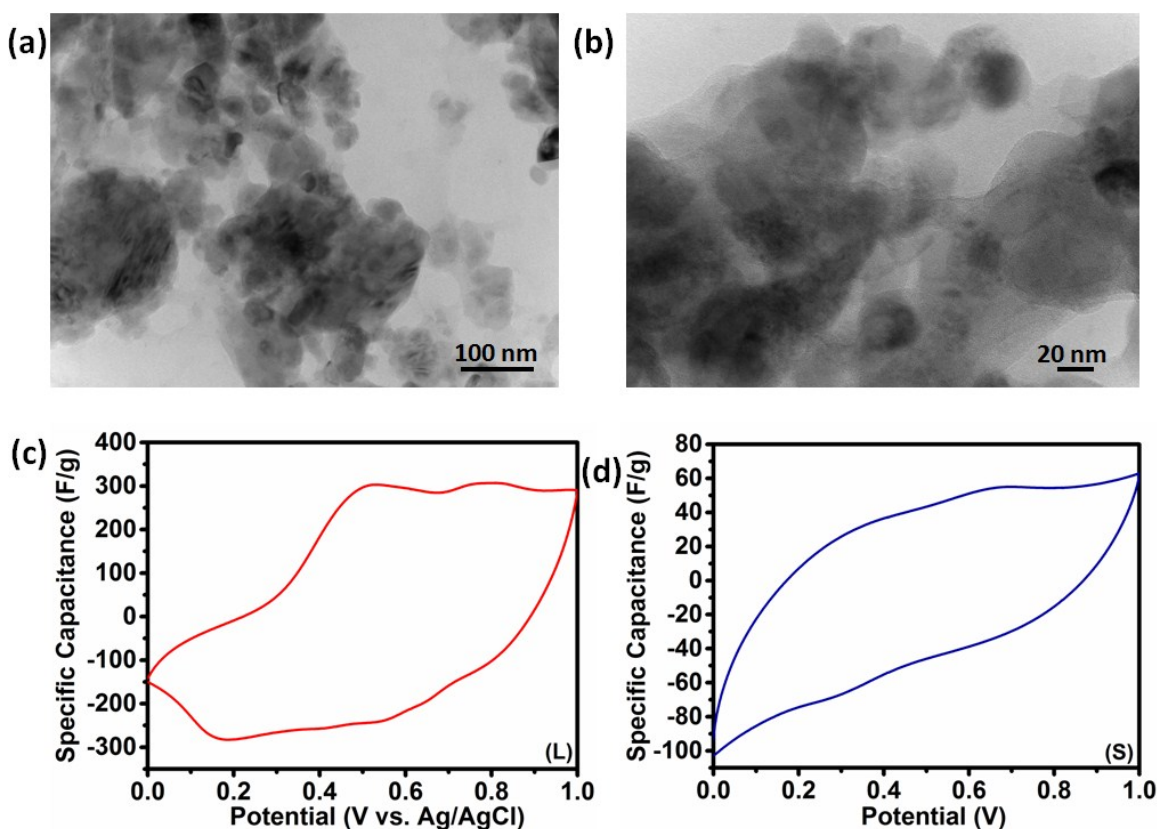


Electronic Supplementary Information for  
**Nitrogen-Doped Carbon Nanosheets for High Performance Liquid as well as Solid State Supercapacitor cell**

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**Fig. S1.** (a, b) HRTEM micrograph of polyaniline (PANI) samples synthesized without CTAB, and their cyclic voltammograms recorded in 3 cell assembly using 1M H<sub>2</sub>SO<sub>4</sub> (“L”-aqueous electrolyte) (c), and PVA/ H<sub>2</sub>SO<sub>4</sub> (two cell assembly, “S” solid electrolyte).

No defined morphology is obtained when PANI is synthesised without CTAB (Fig. S1). A comparative charge storage characteristics in 3 cell assembly using CV, suggest that the PANI synthesised without CTAB can store about 197 F/g in 1.0 M H<sub>2</sub>SO<sub>4</sub> whereas in solid state cell using PVA/H<sub>2</sub>SO<sub>4</sub> this could store 45.5 F/g. It clearly shows that PANI synthesised with the aid of CTAB shows improved performance in both solid and liquid electrolytes due to ordered structures/morphology.