Supplementary Information

Sustainable robust waste recycled ocean water resistant fly ash-carbon nanotubes nanocomposite based triboelectric nanogenerator

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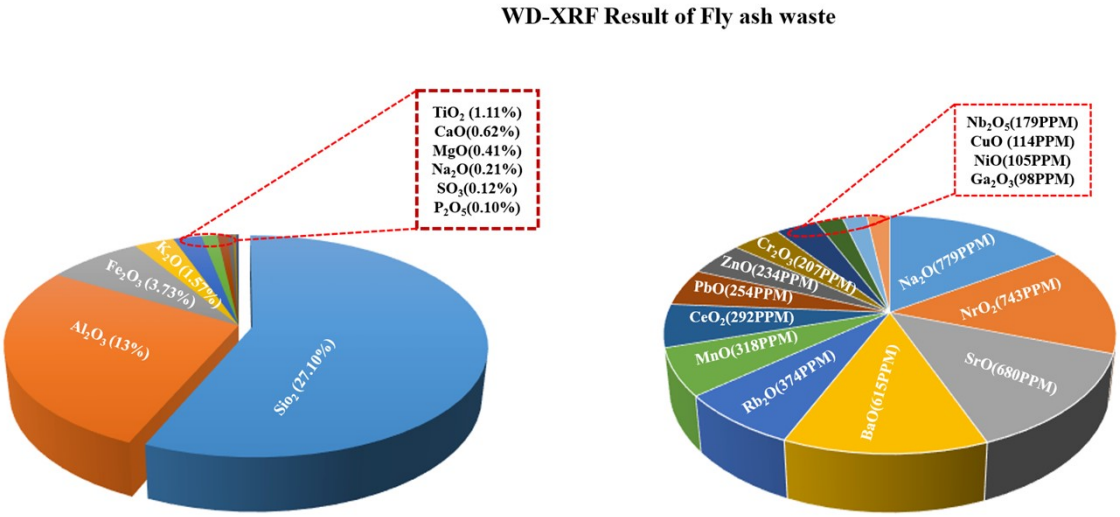

Figure S1: WD-XRF result of the fly ash waste

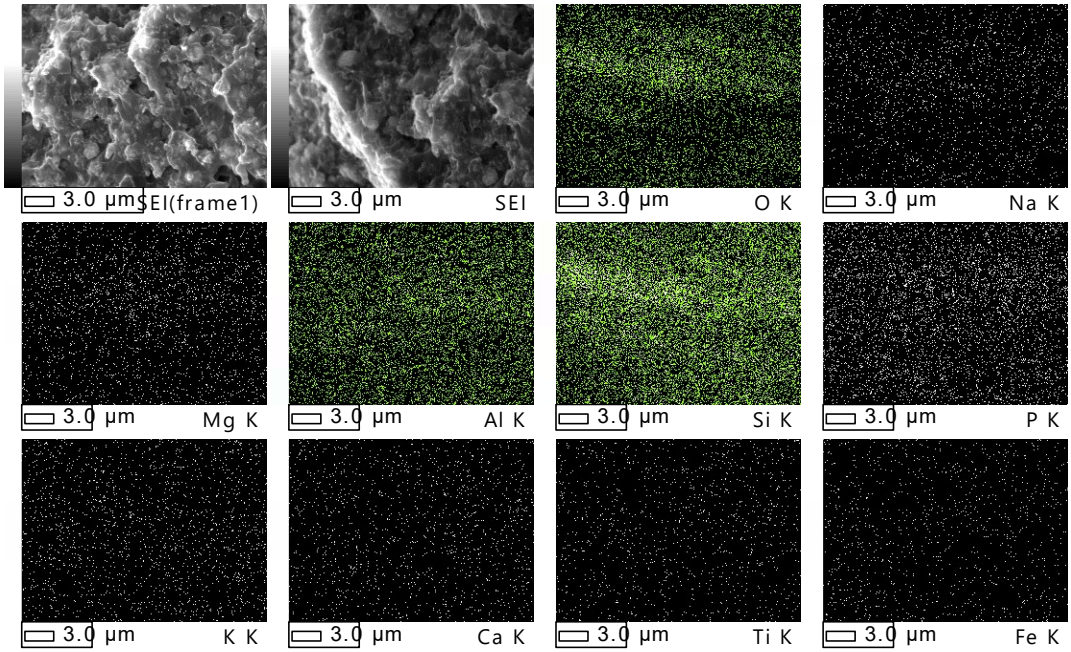

Figure S2: Elemental mapping of the CNT reinforced fly ash epoxy composites

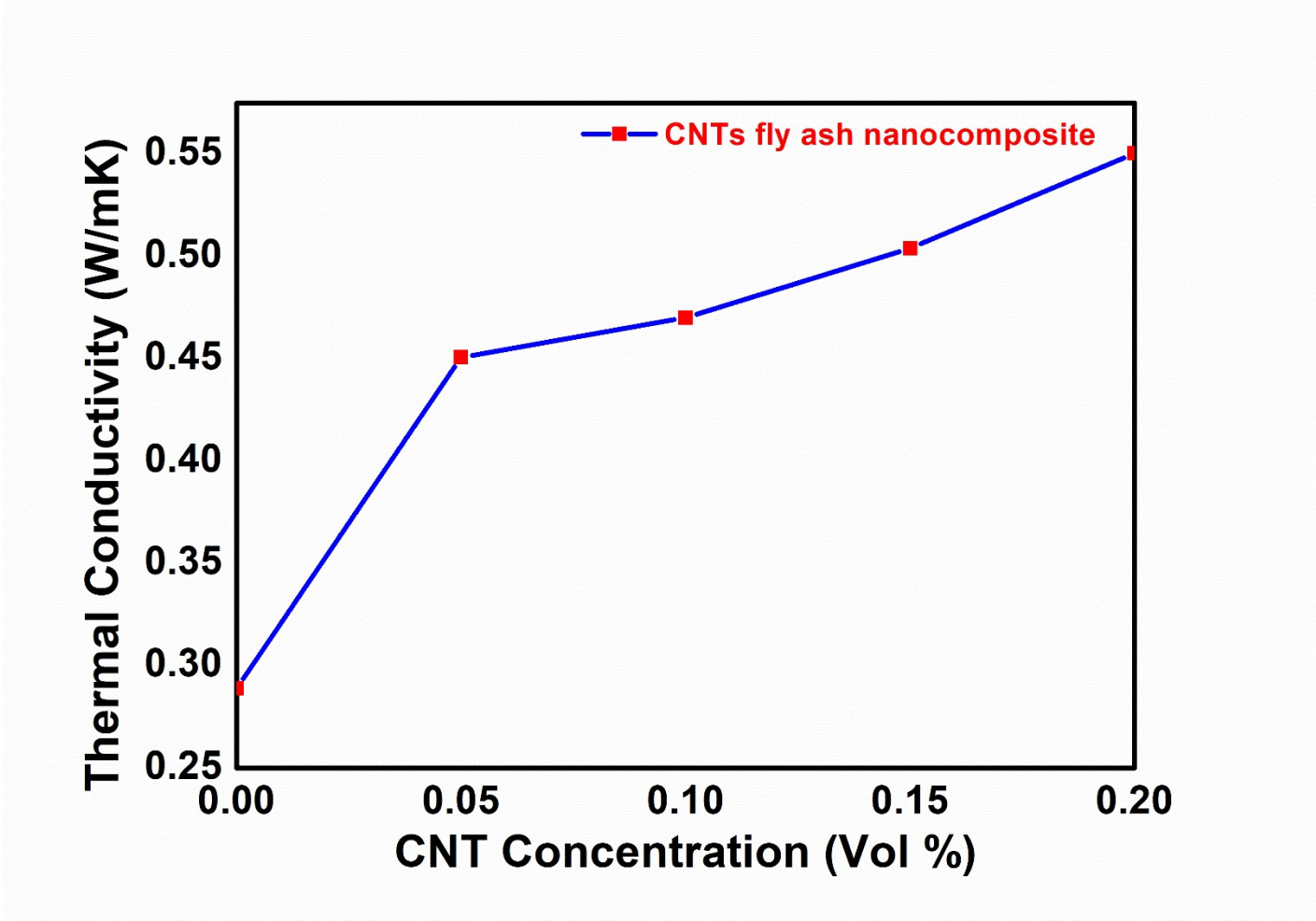

Figure S3: Thermal Conductivity of the CNT reinforced fly ash nanocomposites

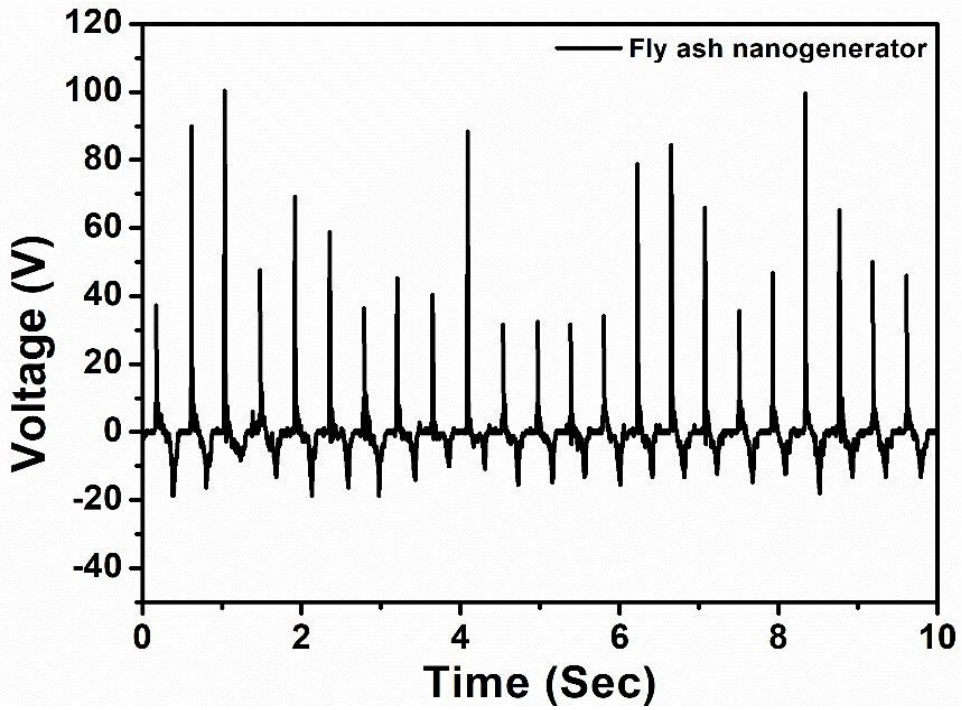

Figure S4. Output voltage from pristine fly ash based RTNG

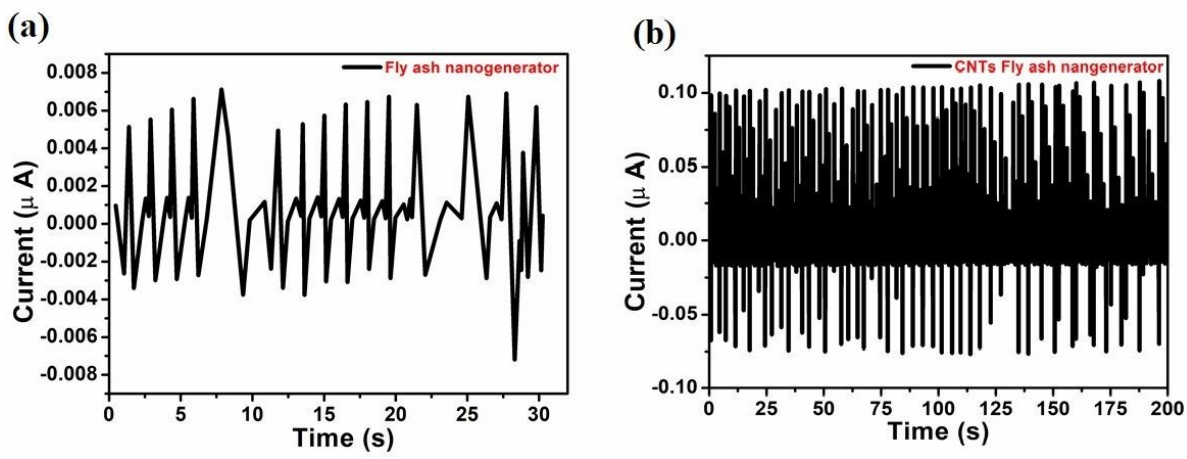

Figure S5. Output current from (a) pristine and (b) CNT reinforced fly ash based RTNG device.

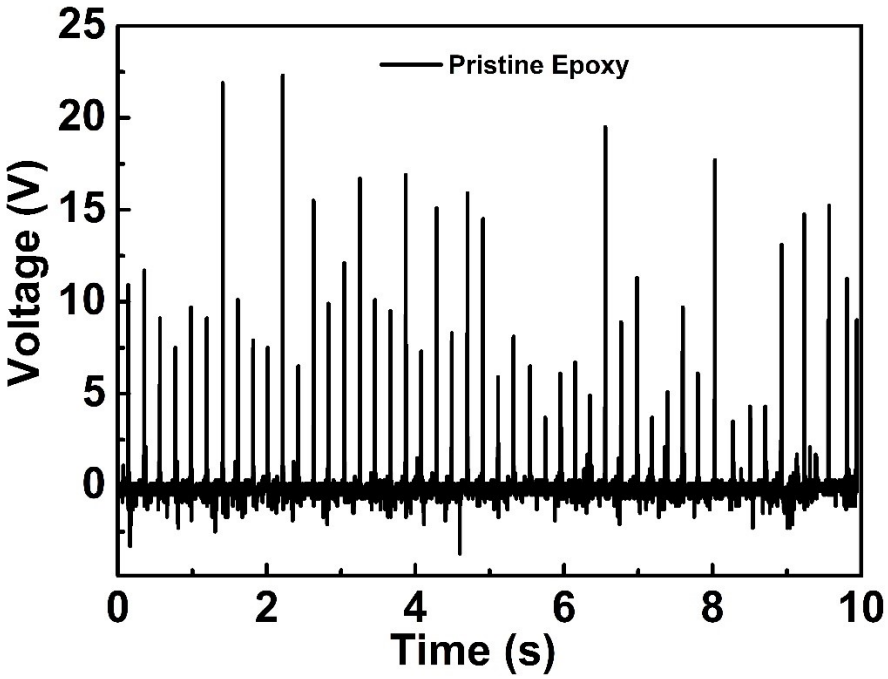

Figure S6. Output voltage from pristine epoxy based TENG

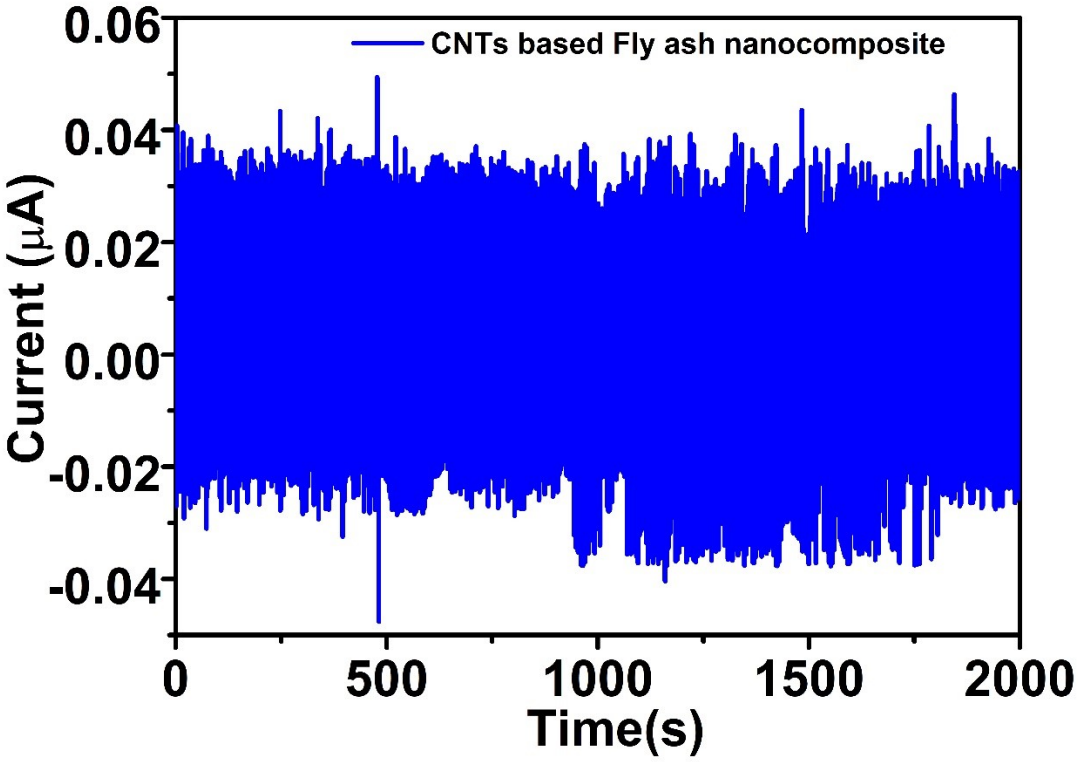

Figure S7. Durability test (Output current) from CNT reinforced fly ash based RTNG device.