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### TESTIMONIAL

I would like to record my appreciation about V B Ceramic Consultants, Chennai (VBCC) for realising the first Microwave Hybrid Furnace in India. We wanted to build such a furnace for sintering low-loss, high-dielectric ceramics upto 1600°C, based on results that we obtained in usual Microwave Furnace which was also built by VBCC. No company in India, except VBCC, took this challenging task. VBCC built and commissioned this MHF in 2011 with their expertise and also through constant interaction with us. This can simultaneously supply 12kW of resistive power and 4kW of microwave power into a specially insulated chamber of ~25lit volume. A Pyrometer-PID-Thyristor system measures and controls the job temperature within  $\pm 1^\circ\text{C}$ . The resistive and microwave powers are controlled by a single PID Controller. Adequate safety mechanisms have been incorporated and the microwave leak during peak operation is within the level as per International standard. Ample cooling keeps the microwave sources and furnace body near to ambient temperature. A PC interface with data-logging is also provided. The MHF is working very well and being used almost daily.

I wish VBCC all success in their ventures and strongly recommend their name for building up any such high-tech facility.