

## DEPARTMENT OF PHYSICS INDIAN INSTITUTE OF TECHNOLOGY – MADRAS CHENNAI 600 036 INDIA

Prof. V.R.K. MURTHY Microwave laboratory IIT Madras No.:

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## TO WHOM SO EVER IT MAY CONCERN

This is to express my appreciation to the founder of M/s. VB Ceramic Consultants, Chennai (formerly New Solution Ceramic Consultants) Dr. V. Viswabaskaran and his team members for his entrepreneurship and efficiency in design and development of hot-zone furnaces, planetary ball mills, microwave furnace and structural ceramics and related measurement/characterization units for both industrial and academic community of our country. I focus my opinions pertinent to planetary ball mill and microwave furnace for sintering electronic ceramic components such as barium titanate related ferroelectric and dielectric materials.

Dr. Viswabaskaran has agreed to design and fabricate the above two units for our academic research requirements. I am very happy to say that he has developed the units indigenously at affordable cost that is comparatively less than imported ones. We have continuously interacted with him during the process of microwave furnace development and successfully verified the feasibility of the unit for barium substituted perovskite sintering. Consequently the unit has been installed in our laboratory and we have successfully sintered barium titanate ferroelectrics repeatedly. The properties have been compared with conventional sintering ones and found satisfactory.

Dr. Viswabaskaran is very cooperative in his approach and I have understood that his priority is to develop the units indigenously for scientific and industrial needs. He is very sincere and receptive to the requirements of the costumers. I am very much happy and comfortable to discuss our technical problems for solutions from him. Such an attitude reflects his understanding ability and whole-hearted cooperation to let the costumers achieve their goals.

Prof. V.R.K. MURTHY

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