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**EXPRESSION OF INTEREST FOR PROCUREMENT OF  
“Vacuum cum Hydrogen Brazing Furnace for High Power Microwave  
Laboratory”**

Director, CSIR- CEERI, Pilani invites interested manufacturer / authorized distributors only to participate in per-indent conference for procurement of the “**Vacuum cum Hydrogen Brazing Furnace for High Power Microwave Laboratory**” which is required in high power microwave laboratory for fabrication of various assemblies and sub-assemblies for large size microwave tubes. It should have facility of brazing operation up to a maximum temperature of 1150°C under controlled atmosphere of hydrogen gas as well as under vacuum in the range of  $1 \times 10^{-6}$  mbar. It may be of horizontally mounted front loading type or of vertical type construction with bottom loading facility. The size of the job will be about 650 Height x 650 Depth x 500 mm width and the job weight would be about 70kg. The furnace should be capable to go up to a maximum temperature of 1250°C. The normal operating temperature is in the range of 600°C – 1150°C with temperature uniformity of  $\pm 5^\circ\text{C}$ . The system should have suitable combination of UHV grade pumps to produce an ultimate vacuum in  $10^{-6}$  mbar range or better. The complete system should be leak tested using helium leak detector up to the leak rate of  $2 \times 10^{-10}$  Tor l/s. The system should be controllable manually as well as through SCADA based computer control. The meeting will be held on 25.11.2014 at 2.30 P.M. in CEERI New Conference Room. The interested participants should visit CSIR-CEERI, Pilani at their own cost and should bring supporting documents i.e. leaflets/technical literature and also be able to deliver technical presentation of the Vacuum cum Hydrogen Brazing Furnace for High Power Microwave Laboratory.

Stores & Purchase Officer