Notice Inviting Quotation

We have setup a laboratory for Biomass Cookstoves Testing and Evaluation. The objective is testing and evaluation of the biomass burning Cookstoves from combustion efficiency and emissions point of view. The stove will be placed under a hood and combustion of biomass (wood) will take place in the stove. The hood is provided with an exhaust to take away the flue gases containing the emissions in the form of CO, CO₂, etc. The requirement is on line Stack Monitoring of the emissions by capturing or preferably taking a sample out and measure the various emissions generated particularly CO, CO₂ and O₂ present in the flue gases and any other gaseous product generated, like CH₄ if possible. The stack temperature may vary from ambient to 250°C.

Quotations are invited for the supply of equipments as given below.

Multi-Component Gas Analyzer-Rack Mounted Sample Gas Conditioning System with NDIR (Nondispersive Infrared) sensors for at least CO, CO₂ and O₂
Measurement Range-
CO- 0 to 1% Vol or 0 to 10000 ppm with a resolution of 1 ppm or equivalent
CO₂- 0 to 20% Vol with a resolution of 0.001%
O₂- 0 to 20 % Vol with a resolution of 0.01%

If the system can measure Hydro Carbons like CH₄, that may be quoted as optional.

Please send your bids through post/ courier service/ email (rprasaditiid@gmail.com) to reach the office of Prof. Rajendra Prasad at Centre for Rural Development and Technology, IIT Delhi, New Delhi-110016, latest by 5 pm on 21st October 2012. The financial bids should include installation and demonstration charges if any

Prof. Rajendra Prasad