

**Centre for Rural Development and Technology**  
**INDIAN INSTITUTE OF TECHNOLOGY DELHI**  
**HAUZ KHAS NEW DELHI**

Date: 1<sup>st</sup> October, 2012

**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, CO<sub>2</sub>, 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, CO<sub>2</sub> and O<sub>2</sub> present in the flue gases and any other gaseous product generated, like CH<sub>4</sub> if possible. The stack temperature may vary from ambient to 250<sup>o</sup>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, CO<sub>2</sub> and O<sub>2</sub>**

**Measurement Range-**

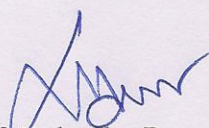
**CO- 0 to 1% Vol or 0 to 10000 ppm with a resolution of 1 ppm or equivalent**

**CO<sub>2</sub>- 0 to 20% Vol with a resolution of 0.001%**

**O<sub>2</sub>- 0 to 20 % Vol with a resolution of 0.01%**

If the system can measure Hydro Carbons like CH<sub>4</sub>, that may be quoted as optional. .

Please send your bids through post/ courier service/ email (rprasadiitd@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 21<sup>st</sup> October 2012. The financial bids should include installation and demonstration charges if any

  
Prof. Rajendra Prasad