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Subject: Request for submission of quotation LIQUID EXTRUSION POROSIMETER.

Please send a sealed quotation in duplicate for **Liquid Extrusion Porosimeter** for our laboratory at Centre for Environmental Science and Engineering, Indian Institute of Technology Kanpur (IIT Kanpur) with specification and requirement as given below. The quotations should include all costs and educational discounts if any, freight and delivery. The quotation should reach our office at the below mentioned address on or before 06.09.2013.

LIQUID EXTRUSION POROSIMETER

Technical Specifications and Features

1. The equipment should be able to measure porosity, pore size distribution, porosity and pore volume in samples like porous polymeric gels, biological porous samples, polymeric filters and membranes and other type of materials with porous properties. The machine should have the following features:
 - Any wetting fluid can be used
 - No toxic material is used
 - No disposal-related cost
 - It should be fully automated and supported with soft ware to take the data and provide its interpretation.
 - Pressure required is an order of magnitude less than that required for mercury intrusion
 - Results should be highly reproducible
 - Capable of measuring through-pore volume
 - Should be provided with all necessary accessories for holding the samples
 - Should be provided with all necessary accessories required for proper functioning of the machine.

2. Further technical specifications of the equipment should include:
 - Pressure Range: 0 - 5 psi (Others Available)
 - Pore Size Range: 1000 μm - 1 μm
 - Resolution: Very high resolution 1 in 20,000

- Intrusion Volume Range: 0.01 cc to 10 cc
- Sample Size: 0.1 to 1" diameter (0.1 to 1" tall). Though smaller size range will be preferred (<10 mm dia & height) as these will be having through pore volume in our samples.

3. Other requirements

- It will be highly desired to have dedicated after sales service with routine check-up of the machine
- Free installation and demonstration of the machine to our satisfaction at our premises will be required
- One year extra warranty will be desired.
- The quotation should include all costs (freight, insurance, taxes, etc)

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