NOTICE INVITING QUOTATIONS

Subject: Purchase and commissioning of “Sediment transport mechanism for existing flume”

Sealed quotations in two-bid (Technical and Commercial in separate sealed envelopes) are invited for the purchase and commissioning of “Sediment transport mechanism for existing flume” in Simulation Laboratory.

The bid should be addressed to Dr. D. R. Kaushal and submitted in Department of Civil Engineering, IIT Delhi, Hauz Khas, New Delhi–110016 latest by 3:00 PM on 26th March 2012.

1. **Slurry Pump with Motor and VFD (with padded foundation to dampen vibrations as per attached schematic diagram)**

Pumping Media: Slurries of different type of solids in water

Maximum Concentration: 70% (by wt)

pH Value: 6 - 8

Maximum Specific Gravity of Solids: 4.5

Maximum Viscosity: 300 cP

Maximum Particle Size: 1 mm

Pumping Temp.: Ambient

Type: Centrifugal, Single Stage, Horizontal Pump

Impeller & Casing: Ni-Hard Construction

Pump Size: 3 inch delivery

Capacity: 10 hp
Discharge: 30 lps

Suction connection: Hopper type of mixing tank

Motor: Required of standard company

Drive: Required (Variable Frequency Drive with Inverter System and provision to transfer the data to pc through suitable data transfer card) of standard company

Type of Duty: To be used in the existing re-circulatory flume in the Simulation Laboratory for Research and Development work.

2. Hopper with Motorised Stirrer (to be used for making suspension homogeneous with details and dimensions as per attached schematic diagram)

Type of slurry: as described in Item 1

3. Slurry Valves (3 nos. of 3 inch diameter), Flume Inlet Tank and Piping (details and dimensions as per attached schematic diagram)

Type of slurry: as described in Item 1

Schematic diagram of Sediment transport mechanism for existing flume
Terms and conditions:

1) **Validity required:** 60 days minimum

2) **Warranty:** 1 year minimum

3) **Payment:** 100% on commissioning (preferred)

4) The firms are requested to quote for the closest specifications if the above can not be satisfied exactly.

5) Installation, commissioning and staff training expenses are to be borne by the supplier.

6) **Please indicate the cost as CIF, IIT Delhi.**

7) If the equipment is a proprietary item then a Proprietary Certificate should be enclosed.

**Note:** The institute/committee has the right to accept or reject any bid or all quotations without assigning any reasons whatsoever.