

Quotations are invited for the following Equipments with full specification to be purchased out of the special grant. Please quote your lowest rate, terms & condition for the same and send the closed seal envelop to the **Department of Civil Engineering, Faculty of Engineering & Technology, Jamia Millia Islamia, New Delhi-110025 latest by 5.30 p.m December 17, 2012.**

Equipments for Concrete Lab.		Qty.
1	Vibrating Table IS: 2514-1963, size 1000*1000 mm, heavy duty vibrator with fixed amplitude.	1
2	Platform Digital Balance capacity upto 100 kg.	1
3	Kelley Ball Penetration Apparatus	1
4	Heat of Hydration Apparatus	1
5	Tensile Strength Tester (electrically operated)	1
6	Briquette Mould (three gang)	1
7	Cement Mortar permeability apparatus(six cell model)	1
8	Vee Bee Consistometer	1
9	Melting Pot for capping material to concrete cylinders	1
10	Original Schmid Test Hammer	1
11	Rapid Chloride Penetration Test Apparatus.	1
12	Elcometer: 900 Concrete crack Microscope	1
13	Elcometer Crack Width Ruler	1
Structural Dynamics Lab.		
1	Horizontal Shake Table with Eccentric Cam (Harmonic base motion) with instrumentation as under: 1) Accelerometers-4 nos, 2) Digital Storage Oscilloscope or Data Acquisition System , based on NPEEE Lab Manual - 1 No. 3) Signal conditioner (charge amplifier)- 1 no., and 4) Basic laptop used for plotting graphs.	1
2	Experimental Models consisting of following 12 models: 1) Three storey frame- Shear Building Model, 2) Vibration Absorber Model, 3) Vibration Isolation Model 4) One Storey frame with Planar Asymmetry- Torsion Building Model, 5) Two Span Simply Supported Beam Model, 6) Soil Model - Soil Amplification 7) One Storey Frame - Small, 8) Liquefaction Model, 9) Four Storey Frame with Stiffeners - Soft Storey Model, 10) One Storey Frame with Stiffeners, 11) Four Storey Frame - Weak Storey and 12) Water Tank	1

Hydraulics Lab.

Sl. No	Items	
1	Apparatus for Verification of Bernauli's Theorem	1
2	Impact of Jet Apparatus	1
3	Reynold's Apparatus with Storage Tank	1
4	Apparatus for the Study of Laminar and Turbulent flow in pipes	1
5	Flow Channel with Accessories 5mx0.5 m	1
6	Hydraulic Bench (Volumetric)	1
7	Pelton Wheel Turbine and Francis Turbine Test Rig	1
8	Reciprocating and Centrifugal Pump Test Rig.	1
9	PVC Storage Tank 70xcmx70cmx100 cm	5
10	Infiltrometer for testing the hydraulic conductivity	1

Surveying Lab.

1	Digital Theodolites	6
2	Levels	5
3	Total Stations	1

Dated 10.12.2012