

S. No	Name of the Equipment	Quantity (nos.)	Capacity	Purpose	Location	Professor In-charge for the equipment
1	50 ton capacity hydraulic jack	1	50 ton	Loading application	HS Lab	Prof. Siddhartha Ghosh
2	200 ton capacity hydraulic jack	1	200 ton	Loading application		
3	Air Compressor	1	10 bar	Air pressure application		
4	70 ton Heico hydraulic jack	1	70 ton	Loading application		
5	200 ton Proving Ring	1	200 ton	Load measurement		
6	300 ton Heico Proving Ring	1	300 ton	Loading application		
7	100 ton Proving Ring	1	100 ton	Load measurement		
8	Milling Machine	1		Machining work		
9	Schenck Hydropuls Test System	1	5 ton & 50 ton & 125 mm travel	Attached to Shake Table & Reaction Frame		
10	10 ton Proving Ring	1	10 ton	Load measurement		
11	20 ton Proving Ring	1	20 ton	Load measurement		
12	80 ton screw ram with travel 150mm	1	80 ton	Load application		
13	Linear Potentiometer with spring return	1	50 mm travel	Deflection sensor		
14	Linear Potentiometer with spring return	1	100 mm travel	Deflection sensor		
15	Carrier frequency amplifier	1	4 channel	Load indicator		
16	25 ton capacity load cell	1	25 ton	Load measurement		
17	500 ton capacity load cell	1	500 ton	Load measurement		
18	10 ton capacity load cell	1	10 ton	Load measurement		
19	5 ton capacity load cell	1	5 ton	Load measurement		
20	Computer System	1	NA	For shake table control		
21	100 ton capacity load cell	1	100 ton	Load measurement		
22	Pressure sensor	1	600 bar	Pressure measurement		
23	Pressure sensor	1	400 bar	Pressure measurement		
24	Pressure sensor	1	750 bar	Pressure measurement		
25	Hydraulic Hacksaw	1	NA	Cutting application		
26	Extensometer	1	50 mm	Strain measurement		

27	Servo hydraulic UTM (Instron)	1	500 kN	Tension/Compression test
28	MGC plus multichannel amplifier	1	44 channel	Data acquisition
29	Torsion testing machine	1	50 ton	Torsion test
30	ICP type accelerometer	1	1	Acceleration measurement
31	ICP type accelerometer	1	1	Acceleration measurement
32	P3 Indicator vishay	1	1	Strain measurement
33	5 ton capacity load cell s type	4	5 ton	Load measurement
34	50 ton capacity load cell	3	50 ton	Load measurement
35	1 ton capacity load cell	1	1 ton	Load measurement
36	Central hole type load cell	2	100 ton	Load measurement
37	Crack displacement transducer	5	± 5 mm	Crack measurement
38	Structural Modal Analysis Soft	1	Software	Modal Analysis
39	FFT Analyser	1	NA	FFT analysis of dynamic signal
40	Servo hydraulic UTM (MTS)	1	250 kN	Tension/Compression/Flexure