

DEENBANDHU CHHOTU RAM UNIVERSITY OF SCIENCE & TECHNOLOGY, MURTHAL, SONEPAT, HARYANA-131039

APPARATUS / SOFTWARES FOR M. TECH. 2 YEARS IN STRUCTURAL ENGINEERING Credit Based Scheme w.e.f. 2013-14

S. Name of Equipments / Softwares S. Name of Equipments / Softwares No. 1** Vear (Semester-I) Name of the Lab: CES-511B Advanced Concrete Technology Lab 1. 100 KN compression Testing machine I (Automatic, ormputerized) IS Certified. 2. Muffle Tumace with visited and the cement tests indicator with startly alarm for cement tests indicator with startly alarm for cement tests isse 125 x 125 x 125 m. Mos. Tem. 1200° C 3. Auto clave (electrical driven and mechanical for cement tests in Certified 4. Vibrations machine for cement testing IS 1 Certified 5. Mortar mixer (electrical driven and mechanical for cement tests in Certified for cement tests in Cert		INFRASTRUCTURE	REQUIRED	AVAILABLE	DEFICIENCY				
No.	List of Labs / Equipments / Softwares								
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Universal Testing Machine 2000 KN capacity (electronic and computerized) fully automatic including flexural strength and steel testing facilities IS Certified 25	22	Specific gravity test apparatus with	1						
including flexural strength and steel testing facilities IS Certified 25	23	Universal Testing Machine 2000 KN capacity	1						
25		including flexural strength and steel testing							
26 Pan type concrete mixer capacity 40 ltr. 1 27 Electrically operated 28 Vibrating table for 150 mm. cube moulds IS 1 Certified 29 Bleeding apparatus for concrete IS Certified 1 30 Needle vibrator (petrol driven) IS Certified 1 31 Air entrainment meter 5 ltr. Capacity IS 1 Certified 32 Cube moulds 15 x 15 x 15 cm. 1 33 Concrete Thermometer (digital) 1 34 Slump test apparatus complete with temping 1 rod IS Certified 1 35 Compaction factor Apparatus IS Certified 1 36 Bulk density measure set for concrete IS 1	25	100 KN flexural strength testing machine	1						
28 Vibrating table for 150 mm. cube moulds IS Certified 29 Bleeding apparatus for concrete IS Certified 30 Needle vibrator (petrol driven) IS Certified 31 Air entrainment meter 5 ltr. Capacity IS Certified 32 Cube moulds 15 x 15 x 15 cm. 1 33 Concrete Thermometer (digital) 1 34 Slump test apparatus complete with temping rod IS Certified 35 Compaction factor Apparatus IS Certified 1 36 Bulk density measure set for concrete IS 1		Pan type concrete mixer capacity 40 ltr.	1						
Bleeding apparatus for concrete IS Certified Needle vibrator (petrol driven) IS Certified Air entrainment meter 5 ltr. Capacity IS 1 Certified Cube moulds 15 x 15 x 15 cm. Concrete Thermometer (digital) Slump test apparatus complete with temping 1 rod IS Certified Compaction factor Apparatus IS Certified Bulk density measure set for concrete IS 1		Vibrating table for 150 mm. cube moulds IS	1						
30 Needle vibrator (petrol driven) IS Certified 31 Air entrainment meter 5 Itr. Capacity IS 1 Certified 32 Cube moulds 15 x 15 x 15 cm. 1 33 Concrete Thermometer (digital) 1 34 Slump test apparatus complete with temping 1 rod IS Certified 1 35 Compaction factor Apparatus IS Certified 1 36 Bulk density measure set for concrete IS 1	29		1						
Air entrainment meter 5 ltr. Capacity IS 1 Certified Certified Cube moulds 15 x 15 x 15 cm. Concrete Thermometer (digital) Slump test apparatus complete with temping 1 rod IS Certified Compaction factor Apparatus IS Certified Bulk density measure set for concrete IS 1		5	1						
32 Cube moulds 15 x 15 x 15 cm. 33 Concrete Thermometer (digital) 34 Slump test apparatus complete with temping 1 rod IS Certified 35 Compaction factor Apparatus IS Certified 36 Bulk density measure set for concrete IS 1		Air entrainment meter 5 ltr. Capacity IS	1						
33 Concrete Thermometer (digital) 1 34 Slump test apparatus complete with temping 1 rod IS Certified 35 Compaction factor Apparatus IS Certified 1 36 Bulk density measure set for concrete IS 1	32		1						
rod IS Certified 35 Compaction factor Apparatus IS Certified 1 36 Bulk density measure set for concrete IS 1			1						
36 Bulk density measure set for concrete IS 1	34		1						
	35	Compaction factor Apparatus IS Certified	1						
	36		1						

37	Vibrating hammer for vibrating dry mix at zero slump for dry lean concrete	1					
CES	508 CAD in Structural Engineering						
1	20PC						
2.	Software STAAD Pro						
3.	Software ANSYS						
4.	Software SAP						
CES 607 Seminar							
1.	Seminar Hall with LCD Projector for 25 sitting capacity						

Certified by the Director / Principal