

Department of Civil Engineering

S No.	Equipment Description	Qty.	Laboratories
1	Accelerated curing Tank	1	Concrete Technology Lab
2	Self Consolidated Concrete Eqp.(LF box, V-box, I-Tub)	01 set.	
3	Areva System Consultancy Pvt. Ltd. Balance 150kg (Essae)	1	
4	Hobart Mortar Mixer	1	
5	Abrasion Testing Machine	1	
6	Hot Air Oven	1	
7	Freeze Thaw Chamber	1	
8	Humidity Chamber	1	
9	Flexure Testing Machine	1	
10	Cement Tensile Testing Machine	1	
11	Muffle Furnace	1	
12	Humidity Chamber	1	
13	CTM Machine (3000KN) Load Frame	1	
14	Mortar Mixer	1	
15	Servo Power Pack for CTM 3000Kn	1	
16	Data Logger	3	
17	Thermocouples	35	
18	Kenwood Kitchen Mixer Machine	1	
19	Data Acquisition & Multimeter system	1	
20	Automatic Pace rate control power pack machine (CTM)	1	
21	Brick macking Machine	1	
22	Stand Mixer	1	
23	Kenwood Kitchen Mixer Machine	1	
24	Planetary Ball Mill Test Apparatus	1	
25	Cylindrical mould (100x200)	12	
26	IS Sieve set brass (200 mm dia)	9	
27	IS Sieve set GI (300mm dia)	14	
28	Water Bath	1	
29	Beam mould (100x 100x 500)	6	
30	Beam mould (40x 40x 160)	3	
31	Half cell corrosion potential meter	1	
32	NDIR Co2 Sensor	1	
33	Concrete Impermeability Apparatus	1	
34	Rapid Chloride Permeability test Apparatus	1	
35	Concrete Pan Mixer	1	
36	Electric Oven	1	
37	Core Slicer machine	1	
38	Laboratory concrete mixer	1	
39	Ultra sonic Pulse velocity Tester	1	
40	OS 8000 original Schmidt Live N Concrete tester Hammer	1	
41	Profometer PM 8000 lite rebar cover meter	1	
42	Polarization Microscope with Camera	1	
43	ELECTRIC HEATER	1	

44	TEMPOS THERMAL PROPERTIES ANALYZER	1	
45	I- Call 2000 HPC 2 cell isothermal Calorimeter	1	
46			
47			
48	25kN DYNAMIC SERVO HYDRAULIC FATIGUE TESTING MACHING	1	Hydraulics Engineering Lab
49	Reynolds Demonstration	1	
50	Orifice and free jet flow	1	
51	Basic Hydraulic Bench	1	
52	Armfield Equipment basic Hydraulic Bench	1	
53	flow over weirs	1	
54	Metacentric Height apr.	1	
55	Basic Hydraulic Bench	1	
56	Constant Head Apparatus	1	
57	Varying Head Apparatus	1	
58	Darcy Friction factor	1	
59	Stocks Law Apparatus with Balls & glycerin	1	
60	Modified Heleshaw app.	1	
61	Multi- Purpose Tilting Flume App. 5mtr.	1	
62	Tilting Flume App.	1	
63	SYSCAL KID (Resistivity Meter with accessories)	1	
64	Hydraulic Jack , Hydraulic Pump & wter filtration unit	1	
65	AGS RES2DINV with RES3DINV starter	1	
66	Sand box Experimetntal box setup	1	
67	Miclins peristaltic pump	2	
68	High precision pr. Transmitter	4	
69	hydrostatic pressure appratus	1	
70	Syscal Jr. switch resistivity imaging system	1	
71	Incubator Shaker	1	
72	"Adair Dutt A & D " precision Balance		
73	Mac. Oven Universal digiat model with circation (605*455*910)	1	
74	Evolution 201 spectrophotometer Range 190-1100 Cat No. 840210700 TS Merck	1	
75	BOD Incubator	1	
76	LABORATORY ELECTRIC OVEN UNIVERSAL		
77	flume Hood (SS)	1	
78	Primary Clarifier / Settling Tank	1	
79	Rapid Sand filtration Process	1	
80	Air Monitoring kit (APM-460, APM-550 & APM-433)	1	
81	Ninja Drone along with Drone data processing software	1	
82	YSI PRO DSS	1	
83	COD DIGESTER	1	
84	Harvesto Digital Soil Testing Mini Lab Kit	1	
85	Rotary Peristaltic Pump	1	
86	Ammonia probe	1	
87	Shimadzu Uv-VIS Spectrophotometer	1	

88	High Performance Liquid Chromatography	1	Environmental Engineering Lab
89	All glass double Distillation unit complete set	1	
90	weiber vertical autoclave	1	
91	Celfrost freezer	1	
92	Turbidity Meter with make Labtronics	1	
93	TDS Meter	1	
94	PH/ ORP Meter	1	
95	PH/ ORP Meter	1	
96	Hot Plate	1	
97	Dissolved Oxygen Meter	1	
98	Water Still Plant	1	
99	Oculus Go Standalone Virtual Reality Headset	1	
100	Hot Plate 12"x 18"	1	
101	Digital Clinical flame photometer	1	
102	Dessicator 10"	1	
103	kjeldahl Digestion and Distalation Unit	1	
104	Digital water and soil analysis kit	1	
105	Celfrost deep freeze	1	
106	2KVA Online UPS	1	
107	Voltas Split AC 1.5 ton	2	
108	Ultrasonic Bath Sonicator	1	
109	microprocessor pH/ mV meter	1	
110	Nitrate Combination Ion	1	
111	Bosean GTQ-DX401 Fixed multi Gas Detector for H2S and CO2	1	
112	ELECTROCHEMICAL DEVICE & THREE ELECTRODE SETUP	1+1	
113	GREEN SEEKAR HAND HELD CROP SENSOR	1	
114	BOSEAN GTQ-DX401 FIXED MULTI GAS DETECTOR FOR H2S AND CO2	1	
115	Electronic Thedodolite	2	Surveying Lab
116	Electronic theodolite	4	
117	Total Station	1	
118	DGPS Setup	1	
119	Prismatic Compass with stands	5	
120	Cross Staff	5	
121	Dumpy level with stand	1	
122	Measuring tape 20m fiber	5	
123	Measuring tape 50m fiber	5	
124	Measuring tape 100m fiber	5	
125	Aluminium Telescopic levelling staff	5	
126	Ranging poles	15	
127	Plain table with tripod	5	
128	Measuring Chain 20m	5	
129	Aluminium levelling staff	10	
130	Laser Distance meter	1	
131	Theodolite vernier set with stand	2	
132	Plain table with tripod	3	

133	Ranging rod	12	
134	Surveyor compass with tripod stand	5	
135	Vernier transit theodolite	3	
136	Auto level Sokia	3	
137	Bomb Calorimeter	1	AREE FSM LAB
138	TOC Analyser (LCPH)	1	
139	EPSILON 1 ACADEMIA	1	
140	Viscometer for wastewater analysis	1	
141	PC2700 Benchtop PH/ Conductivity Meter	1	
142	Microwave Digestion System	1	
143	Milli Q Water Setup	1	
144	Turbidity Meter	1	
145	5KVA UPS	1	
146	SSM-5000AL	1	
147	TOTAL NITROGEN UNIT	1	
148	Skid Resistance Tester		Transportatio n Engineering Lab, FD-I, Room-1101
149	Wheel Rut Tester		
150	Semi-Circular Bending Machine		
151	Gyratory Compactor		
152	Digital Marshall Stability Test Apparatus		
153	Light Weight Deflectometer		Geotechnical Engineering Lab, FD-I
154	Large Direct Shear		
155	Plate Load Test Setup		Advanced Structural Engineering Lab, FD-I, Room-1125
156	Dynamic Universal Testing Machine – 100 kN		
157	Vertical Actuator -200kN Cap.		
158	Automatic Compression & Flexure Testing Machine – 2000kN Cap.		
159	Carbonation Chamber		
160	Static Universal Testing Machine – 1000kN Cap.		
161	Horizontal Actuator -250kN Cap.		

