

## DEPARTMENT OF CIVIL ENGINEERING

### Lab Equipments List

NAME	CONCRETE LAB	
S.NO.	EQUIPMENTS NAME	QUANTITY
1	Flow table apparatus	1
2	Rebound hammer	1
3	Moisture content apparatus	1
4	Compression testing machine	1
5	Compaction factor test apparatus test	1
6	Sieve shaker machine	1
7	Slump test apparatus	1
8	Vacate apparatus test	1
9	Flexure test apparatus	1
10	Blaine air permeability test	1
11	Air entrainment appartus	1
NAME	FLUID MECHANICS LAB	
S.NO.	EQUIPMENTS NAME	QUANTITY
1	Apparatus triangular & rectangular notch	1
2	Pipe friction apparatus	1
3	Determination of Cv,Cc & Cd for orifice & mouth piece apparatus	1
4	Tilting bed flow channel apparatus	1
5	Cavitations apparatus	1
6	Discharge over weir apparatus	1
7	Impact of jet apparatus.	1
8	Stoke low appartus	1
9	Flow measurements by orifice meter & flow measurement by orifice meter apparatus	1
10	Bernoulli's theorem experiment,	1
11	Laminar Flow Apparatus	1
12	Metacentric height apparatus	1

NAME	STRUCTURE LAB	
S.NO.	EQUIPMENTS NAME	QUANTITY
1	Behavior of struts	1
2	Simply supported beam	1
3	Moment distribution slope app	1
4	Elastically coupled	1
5	Pin joint truss	1
6	Portal frame	1
7	Elastic beam continuous beam	1
8	Redundant joint	1
9	Unsymmetrical bending	1
10	Three hinged arch	1
11	Deflection of curved member	1
NAME	SURVEYING LAB	
S.NO.	EQUIPMENTS NAME	QUANTITY
1	Abney level	1
2	Arrow	50
3	Auto Level with stand	5
4	Dumpi level 1	2
5	Dumpi level 2	10
6	Fibre glass tape	1
7	Cyclon Ghat Tracer with stand and target	1
8	Leveling staff 3m , 4m	15
9	Metric chain (20m)	2
10	Metric chain (30m)	2
11	Metallic tap	3
12	off set road (2m)	15
13	off set staff brass	8
14	Optical square	5
15	Prismatic compass staff with alluminium stand	5
16	Plane Table Complete	9
17	Planometer	1

18	Pentagraph (24")	1
19	Ranging Road (2m)	20
20	Ranging Road (3m)	10
21	Sexnsteck	1
22	Steel Tape	7
23	Varnier transist therdolyte	4
24	Surveying compass	5
<b>NAME</b>	<b>TRANSPORTATION LAB</b>	
<b>S.NO.</b>	<b>EQUIPMENTS NAME</b>	<b>QUANTITY</b>
1	Aggregate Impact Test	1
2	Flush Point & Fire Point Test bitumen Appratus	1
3	Los Angelas Abrasion Test Machine	1
4	Penetration Test , Bitumen Equipment	1
5	Softning Point, Bitumen Appratus	1
6	Viscosity Test , Bitumen Appratus	1
7	Flakiness Index Test & Flakiness Gauge	1
8	Bituman contained apparatus	1
9	Marashall's stability test	1
10	Ductility test of bitumen	1
<b>NAME</b>	<b>SOIL MECHANICS LAB</b>	
<b>S.NO.</b>	<b>EQUIPMENTS NAME</b>	<b>QUANTITY</b>
1	Mechanically Sieve shaker sieve set fine and coarse	1
2	Direct shear test apparatus electrically cum manually operate	1
3	Triaxial test apparatus	1
4	Consolidation test apparatus	1
5	Standard penetration test apparatus	1
6	Relative density apparatus	1
7	Unconfined compressive strength test apparatus	1
8	Pycnometer	1
9	Mechanically liquid limit & plastic limit device casagrande apparatus	1
10	Oven	1
11	Standard proctor test apparatus	1

12	Core cutter & sand replacement method	1
13	Shrinkage limit apparatus	1