

DEPARTMENT OF CIVIL ENGINEERING

ENGINEERING GEOLOGY LABORATORY		
SL.NO	DESCRIPTION	QUANTITY
1	3D raised relief Geomorphologic models	8 Sets – 16 No's (Each set – 2 No's)
2	3D raised relief model with frame – Interior of the earth – size. 100 cm x 75 cm	1
3	3D raised relief model with frame – River in action – size. 100 cm x 75 cm	1
4	3D raised relief model with frame – Restless Earth – size. 100 cm x 75 cm	1
5	3D raised relief model with frame – Formation of Rocks – size.100 cm x 75 cm	1
6	3D raised relief model with frame – Folds and Faults – size.100 cm x 75 cm	1
7	3D raised relief model with frame – Deformation of Earth – size.100 cm x 75 cm	1
8	3D raised relief model with frame – Features of Dry Desert – size.100 cm x 75 cm	1
9	3D raised relief model with frame – Weathering – size.100 cm x 75 cm	1
10	3D raised relief model with frame – Ground Water – size.100 cm x 75 cm	1
11	Laminated Map with rollers – Geological Map of India – size.183 cm x 174 cm	1
12	Laminated Map with rollers – Mineral Map of India – size.90 cm x 70 cm	1
13	Geological Specimen : Mineral Ores	1 Box (25 samples)
14	Geological Specimen : Rock forming minerals	1 Box (10 samples)
15	Geological Specimen : Rocks	1 Set (25 samples)
16	Geological Specimen : Minerals	1 Set (25 samples)
17	Streak Plates	30 No's
18	Model on stand – Earth layers	1
19	Mohs scale of hardness – box of samples from hardness 1 to 9 (Talc, Gypsum, Calcite, Feldspar, Apatite, Orthoclase, Quartz, Topaz, Corundum)	6 Boxes
20	PS002 Pocket Stereoscope	2
TRANSPORTATION ENGINEERING LABORATORY		
21	Aggregate Crushing Value Apparatus	1
22	Aggregate Impact Test Apparatus	1
23	Los Angeles Abrasion Machine	1
24	Thickness Gauge	1
25	Length Gauge	1
26	Universal Bitumen Penetrometer (Hand Operated)	1
27	Ring and Ball Apparatus	1
28	Bitumen Ductility testing Apparatus	1
29	Penskey-martens close cup apparatus	1
30	Bitumen Extractor, motorized (1500 gm capacity)	1
31	Coarse aggregate GI sieves of 450 mm dia	27

32	Sieve Shaker hand operated for 450mm dia sieves	1
33	Devals Aggregate Attrition Testing Machine	1
34	Thermometer 110 degrees range	4
35	Thermometer 360 degrees range	3
36	First Aid Kit	1
37	Tea Kettles for heating bitumen	4
38	Stand for Viscometer	1
39	Drilling Machine for rotation viscometer	1
40	Digital Tachometer	1
41	Penskey-martens close cup apparatus	1
42	Wood drill bits for viscometer	4
43	Water bath for Marshall stability	1
44	Extension Box	1
45	Merlin Bicycle	1
46	Benklemen Beam Aluminium Tubes	4
47	GI 45 cm dia Sieves (12.5 mm, 10 mm)	2 each
48	Pycnometer	2
49	BROOKFIELD Digital viscometer	1
50	Ductility Testing machine	1
51	Spare ductility mould	2
52	Penskey-martens close cup apparatus (Spare)	1
53	Hot Plate	1
54	Marshall stability test Set up	1
55	Specimen Mould for Marshall Stability	4
56	Compaction Rammer for Marshall Stability	1
57	Integral Proving ring 20kN	1
58	Non-Contact Thermometer	1
59	Ring and ball apparatus	1
60	Thermostat controller for hot plate	1
61	Digital Stop watch	1
62	Tar Viscometer	1
63	Flask Receiver,100 ml	1
64	IP 10C thermometer	1
65	IP 9C thermometer	1
66	IP 8C thermometer	1
67	Heating Mantle	1
68	Thermostat controller for Heating Mantle	1

69	Pycnometer	1
TRANSPORTATION ENGINEERING LABORATORY		
70	Concrete mixer (Pan Type)	Concrete mixer (Pan Type)
71	Accelerated curing tank	Accelerated curing tank
72	Flexure testing Machine capacity 250kN	Flexure testing Machine capacity 250kN
73	Brass test sieves. 2.00,4.75.mm,2.36,1.7mm	Brass test sieves. 2.00,4.75.mm,2.36,1.7mm
74	Lee-chatlier mould	Lee-chatlier mould
75	Lee-chatlier mould	Lee-chatlier mould
76	Electronic weight Balance 200 kg cap	Electronic weight Balance 200 kg cap
77	Electronic weight Balance 15 kg cap	Electronic weight Balance 15 kg cap
78	Serological water batch	1
79	Wire Basket	1
80	Spring Balance	1
81	Air permeability Apparatus	2
82	Vicat's Apparatus	6
83	Lateral Extensometer	1
84	Slump cone test	3
85	Compaction Factor	1
86	Vee-Bee Consistometer Apparatus	1
87	Vibrating table	1
88	Concrete Cube Moulds (Cast iron-150mm)	18
89	Mortar cube Moulds (Steel -70.6mm)	9
90	Steel tamping Rod	1
91	Concrete cubes moulds (Cast iron -100mm)	9
92	Cylinder Moulds (Cast Iron)	9
93	Beam mould for150x150x700mm ³	6
94	Immersion type needle Vibrate (Electrical)	1
95	De-mountable mechanical strain gauge	1
96	Schmidt's Rebound Hammer	1
97	Ultra sonic Pulse Velocity testing equipment	1
98	Beam mould for100x100x500mm	6
99	Compression testing machine	1
100	Hydraulic jack 500kN capacity	1
101	Small tapes	4
102	Trowel (Big)	4
103	Spacer cup/Mould for Impact test Apparatus	-
104	Mortar Cube Moulds 70.6 mm	12
105	Wash bottles 500ml	10

106	Wash bottles 250ml	10
107	Measuring Jar 500ml	4
108	Measuring Jar 250ml	4
109	Measuring Jar 100ml	4
110	Measuring Jar plastic (500 ml)	8
111	Pans	2
112	Shovel (Big)	2
113	Shovel (Big)	2
114	Trowels (small)	5
115	Digital stop watch	4
116	Dial gauge 0.01x25mm	3
117	Magnetic stand	3
118	Lee-chatelier water bath	1
119	Concrete Mixer 3cft capacity	1
120	Concrete Mixer 3cft capacity	1
121	Magnetic stand 12x180mm	1
122	100mm Natural Diamond Dill Bitt	1
123	Brass test sieves 20cm dia,4.75,2.36,21,600,425,3000,150,75,1,600,425,3000,150,75	10
124	Cast iron cubeMoulds.150mm	18
125	Mortar Cube Vibrator	1
126	Mericer dial gauge 5mm/rang 0.002mm graduation	1
127	Self-compacting concrete equipment	1