

APPENDIX-I
Chemicals for strengthening of existing Soil Testing Laboratory

S.No	Name of Chemicals	Standard Size
1	Sulphuric acid	500 ml
2	Hydrochloric acid	500 ml
3	Potassium di chromate	500gm
4	Ammonium acetate	500gm
5	Ammonium fluoride	500gm
6	Ammonium molybdate	100gm
7	Stannous chloride	100gm
8	Potassium chloride	500gm
9	Butan-ol	500 ml
10	Tin metal	100 gm
11	Filter paper	Gr.-42(125mm)
12	Buffer tablet pH 4	10 tab./pkt
13	Buffer tablet pH	10 tab./pkt
14	Sodium hydroxide	500 gm
15	Copper Standard solution 1000mg	1000mg
16	DTPA	500gm
17	TEA	500ml
18	Calcium Standard solution	1000mg
19	Iron Standard solution	1000mg
20	Manganese Standard solution	1000mg
21	Magnesium Standard solution	1000mg
22	Molybdenum Standard solution	1000mg
23	Zinc Standard solution	1000mg
24	Sodium tetra phenol Boron	10 gm
25	Manganese oxide	500 gm
26	Boric Acid	500 gm
27	Calcium chloride anhydrous	500 gm
28	Ammonium Sulphate	500 gm
29	Zinc oxide	100 gm ⁶
30	Ferrous sulphate	500 gm
31	EDTA	100 gm
32	Azo methyl indicator	10 gm
33	Manganese monohydrate	500 gm
34	Magnesium sulphate	500 gm

APPENDIX-II

Glass wares/Poly ware & minor Machineries for strengthening of existing Soil Testing Laboratories)

Sl.No	Name of Item	Standard Size
1	Beaker (pp)	100ml
2	Beaker (pp)	250ml
3	Beaker (pp)	500 ml
4	Beaker	100ml
5	Beaker	250ml
6	Beaker	500 ml
7	Conical flask (glass)	100 ml
8	Conical flask (PP)	100 ml
9	Conical flask (PP)	250 ml
10	Volumetric flask	250ml
11	Volumetric flask	500ml
12	Volumetric flask	25 ml
13	Volumetric flask	1000ml
14	Funnel	65 mm
15	Funnel	75 mm
16	Measuring cylinder	25 ml
17	Measuring cylinder	50 ml
18	Measuring cylinder	100 ml
19	Measuring cylinder	250 ml
20	Measuring cylinder	1000 ml
21	Pipette (graduated)	5 ml
22	Pipette (graduated)	1 ml
23	Pipette (graduated)	10 ml
24	Pipette (graduated)	50 ml
25	Pipette (graduated)	25 ml
26	Test tube	15X150
27	Reagent bottle	1000 ml.
28	Reagent bottle	500 ml
29	Wash bottle(PP)	500ml
30	Spoon	1 gm Cap
31	Spoon	10 gm Cap
32	Steering Rod	
33	Test Tube stand	20 holes
34	Glass marking pencil	
35	Knife	Std Size

36	Moisture Can	Close fitting lid
37	Brass	
38	Water double distillation unit(2lit./hr)	
39	Kjeldal digestion unit	
40	Hygrometer	
41	Al. tray	1 ft x 1.50 ft
42	Pipette Blower	
43	Voltage stabilizers (Constant voltage transformers): Input 170 to 250V, AC output 220V Capacity: 1, 2, 5 KW	
44	Voltage stabilizers (Constant voltage transformers): Input 170 to 250V AC, Output 220V+5V	
45	Automatic pipetting machine: Brewer type, adjustable volume and frequency of cycling, to deliver up to 50 ml solution; syringe, plunger cylinder, valves and intake and delivery tubes made of neutral hard glass or resistant plastic material; to work on 220V 50CY.	
46	Trays: For drying soil samples, made of 18 gauge aluminium sheet, 22 cm x 22 cm x 8 cm.	